Index [illegible]

[illegible]

193-

Pearson, O. P.
1984 (spring)

catalogue

#7162–# ~~7216~~ 7229

Argentina

Pearson
1984

Catalog

11 km NNE outlet Lago Nahuel Huapi, neuquen

april 22

7162 ♀ Reithrodon — uterus with scars; mammary tissue — 218 × 77 × 31½ × 26 79g.

7163 ♀ Akodon longipilis — uterus with scars. — 169 × 65 × 23 × 15½ 32g.

april 24

7164 ♂ Ctenomys sp. — caught apr. 21, killed april 24. — 254 × 67 × 32 × 6 195g. T9, SV10 very thin not feeding.

12 km W Bariloche, Rio negro

may 4

7165 ♀ Eligmodontia — lactating — 163 × 80 × 22 × 16 23g.

7166 ♂ " — 142 × 65 × 23 × 15 15g. T3mm white

7167 ♂ " — 160 × 80 × 21 × 15 17g. T2mm

7168 ♀ " — 152 × 76 × 22 × 15 16g. multip.

7169 ♂ Akodon oliv. — 155 × 76 × 22 × 14 18g. T5, post active

7170 ♂ " " — 149 × 64 × 21 × 13 15g. T4mm

7171 ♀ Ctenomys haigi — 210 × 70 × 34 × 5 118g. multip.

7172 ♂ Ako. oliv. — 138 × 66 × 24 × 16 14g. T3 white

7173 ♀ " " — 147 × 62 × 22 × 15 13g. multip.

7174 ♀ " " — 162 × 72 × 24 × 15 18g. parous, ut. scars

7175 ♂ Akodon xanthorhinus? — 139 × 57 × 21 × 15 14g. T4mm.

7176 ♂ Eligmodontia — 161 × 81 × 24 × 17 15g. T3mm.

7177 ♂ " — 154 × 73 × 22 × 15 13g. T4mm.

7179 Oryzomys

7180 "

7175 + 7177 saved for MVZ; others to INVAP

Cerro Leones, 15 km ENE Bariloche, Rio negro

may 8

INVAP 7181 Euneomys sp. — skull only — In owl pellet picked up april 22. Complete pellet with fur etc, hence recent

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4 km N Bridge over Collon Cura, Neuquen

May 9

7182 Eligmodontia 205×111×26×19 21½g Testes 3½ pink SV 3 mm

7183 Phyllotis darwini 243×115×29×27 58g.

7 km N Bridge over Collón Cura, Neuquen

7184 ♂ Eligmodontia 172×93×23×19½ 20g. T4 SV3 post-breeding

7185 ♂ Phyllotis darwini 219×109×28×28 45g. T5, SV3, testis yellow, post-bred

7186 Eligmodontia see Pedersen catalog

7187 " " " "

\ 7188 " " " "

7

2 km N Bridge over Rio Collon Cura, Neuquen

7189 ♂ Akodon iniscatus [167]×[60]×22×13½ 27g T5 flabby SV5

7 km N Bridge over Rio Collon Cura

7190 ♂ Eligmodontia 185×102×23×18 16g. T.4 post comp.

7191 ♂ " 169×88×22×18 15½g. T: 4

7192 ~~?~~ ♂ " 157×83×22×16½ 12g. ~~[illegible]~~ T: 3

~~4 km~~ May 10

7193 ♀ " 175×93×23×18 15g. nullip.

7194 ♀ " 187×91×24×18 21 with uterine scars.

2 km N Bridge over Rio Collón Curá

7195 ♀ Akodon iniscatus. [158]×[58]×21×13 30g caught May 9 during day uterus with scars

WSW
8 km WNW Comallo, Rio Negro

May 15

o INTA 7196 ♂ Phyllotis 233×119×30×27 48g testis 4 mm

Campo Fistuladas, INTA, Pilcaniyeu Viejo

7197 ♂ Eligmodontia 162×79×23×16 17g. testis < 3 mm.

7198 ♀ " 146×75×22×15 12½g. nullip.

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WSW
8 km WNW Comallo, ~~Neuquen~~ Rio Negro
May 18

caught May 15
7199 ♂ Phyllotis darwini 224 x 107 x 27 x 26 48g. testes small

collected May 16
7200 Lestodelphis ? (from owl pellet)
7201 ~~marmosa?~~ " " " "
7202 " juv. " " "
7203 " " " " "
7204 " " " "
7205 " " " "
7206 " " " " (pelvis and long bones only)
7207 " " " " " " "
7208 Akodon longipilis " " "

Cerro Leones, 15 km ENE Bariloche, Rio Negro
May 22

7209 ♀ Akodon ? ~~longipilis~~ ? ~~?olivaceus?~~ 155 x 61 x 21 x 14 25g. uterus with scars.
7210 ♀ Akodon xantho 153 x 58 x 21 x 16 19½g. uterus thick, vascular.
7211 ♀ Eligmodontia 168 x 80 x 22 x 16 19g. uterus thick, no scars, pelvis open
7212 ♂ Akodon xantho 138 x 51 x 20 x 14 16½g. testes 4 mm flabby.

May 23
7213 ♂ Eligmodontia ~~Akodon xantho~~ 149 x ~~138 x~~ 73 x 22 x 15 14g testes 2½ white
7214 ♀ " 152 x 76 x 22½ x 14 15g. uterus thin no scars.
7215 ♂ " 150 x 71 x 23 x 14½ 19½g. ~~testes~~ 2½, white. much fat.
7216 ♂ " 155 x 77 x 23 x 15 16½g " " "

Pearson, O.P.

1984 (Spring)

Journal
(index)
Species Accts.

Argentina

1982-May 1984

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1984

argentina.

apr. 20 arrived Bariloche 2 pm. Sunny, about 15°C. Poplars mostly over, willows just turning, Rosa mosqueta with red fruits. The plane did a loop up Lago Traful, then across to Villa Angostura, then back down Lake Nahuel Huapi to land toward the east. None of this higher than Cullin Manzano mountains, no snow on them, the lenga not very colorful. Lots of open grass and bare on top of Cullin Manzano. There are more houses near Villa Angostura than you realize from the road. The neneo and grass quite dead-looking.

april 21. Javier Perez Calvo came by. Says his *Abo longi* on trap *lines* have ranges of 100 to 150 m. Rapoport is teaching biogeography at the university, Felipe Velarde still "flying". Got car running (battery dead) and took off at 2:30 for Limay Valley. Stopped at the place where we found the dead harriers and trapped for tucos last fall; set 6 steel traps there in what looked like old tuco holes. Some of them ~~were~~ plugged with cut grass; no fresh earth. *Reithrodon* droppings. Then drove down the valley to the Rio Cullin Manzano, took photos. Alicura Reservoir is filled.

Then drove back to the tuco traps at 6:45 pm. One tuco in the last trap, alive. ~~Squeaked~~ Chirped and squealed rather than grunted. Not *haigi*. The vegetation is bunch grass, small composites (*Senecio*), a few neneo,

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Camped by the Limay River near La Lipela. Saw good, active leaf-cutter ants between the hanging bridge and La Lipela. They were carrying green leaves.

April 22 Sunday Easter night started out clear clear, then partly cloudy; no wind. Heavy frost on car and sleeping bag. Stars still out at 7 a.m. Car barely starts.

Picked up the 6 steel traps at 9 a.m.: 1 ako longi and 1 Reithrodon. The latter was entering the burrow from which I removed the two yesterday evening.

This locality is on the west side of the paved road from Bariloche to Confluencia, a few hundred meters north of the entrance to a fancy new house (Belgian owner of the estancia?), or 6.8 km north of the gate to Est. Fortin Chacabuco, or 9.5 km north of the road junction to Villa Angostura. This same locality was called 10 km NNE Nahuel Huapi in Dec. 10, 1983.

Then drove back toward Bariloche to where the new gas pipeline is being buried. Beautiful bulldozed strip across the steppe; goes south of Cerro Leones and then across Est. San Ramón toward Pilcaniyeu. Will try to find out if they are still bulldozing to the east.

Picked up about 3 qts of new owl pellets at Cerro Leones.

April 23 Bariloche. Javier Perez who came last night with data from live trapping on Cerro Otto. Numerous recaptures of ako, longi, some >100 m. Also a few captures of Auliscomys and Chelemys and maybe Geoxus.

Did errands around town. An engineer with Gas del Estado

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Owl pellets from Cerro Leones, april 22, 1984

Entire pellets:

1. 1 yg ad. Auliscomys
2. 1 ako longi
1 ako xantho
3. 1 ad. aulisco
4. 2 Oryz
5. 3 ako longi
6. 1 Oryz
2 ako longi
7 1 juv Reithro
8 1 old aulisco
1 baby akodon sp.
9 2 Eligmo (1 ad, 1 old)
1 ako longi
10 1 oryz
1 old aulisco
11 2 yg ad aulisco
1 juv. Rattus
12 1 old aulisco
13 1 Irenomys
14 1 young Reithro.
15 1 ad aulisco
1 ako longi
16 2 juv Reithro
2 ako longi (1 very old)
2 Oryz
17. 2 ako longi
1 Eligmo
4 Oryz

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18 1 young Reithro
2 Oryz.
19 2 ad aulisco
20 1 Oryz.
21 1 yg Reithro
22 1 ad aulisco
1 Oryz
1 ako longi.
23 1 ad aulisco.
24 1 juv. aulisco
1 ako longi
25 1 ako longi.

26 2 ako longi
1 juv Reithro
27 1 Eligmo
1 ako longi
2 juv. aulisco
28. 1 yg Reithro
1 ako longi.
29 1 old aulisco
1 ako longi
2 Oryz
30 2 ako longi
31 1 Oryz
1 ako xantho
32 1 ad Reithro
33 3 ako longi
1 ako xantho
34 1 ad aulisco
[35] no skull
36 1 ako longi.
[37] no skull.
38 1 juv Reithrodon
1 ako longi
39 2 Eligmo
40 1 ako longi
1 juv Reithro
41 2 oryz
1 ako longi
42 1 juv. Reithro
1 ako longi
43 2 ako longi
44 1 old aulisco
1 ako longi
45 1 Chelemys
1 Oryz
2 ako longi
46 1 ako longi (small pellet)
47 1 ad. aulisco.
1 ako longi
48 1 ad Euneomys sic
1 ako longi
49 1 Oryz
1 ako longi
50 1 Eligmo (old)
2 juv. Reithro
51 1 mus
2 ako longi.

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Owl Pellets from Cerro Jones (cont.)

52 2 ako longi

53 1 ako longi old
1 Oryz yg
1 aulisco juv.

[54] no skull

55 1 oryz
1 ako longi

56 2 aulisco (1 old old, 1 yg)
2 ako longi (1 old 1 yg ad).

57 1 aulisco juv
2 ako longi (1 ad, 1 old)

58 2 aulisco (1 ad, 1 juv)

59 2 juv aulisco
1 oryz
1 ako longi

60 2 ako xantho (Pellet very small)

61 1 ako longi ad.
1 oryz ad
1 Eligmo old
1 aulisco ad.

62 1 ad aulisco

63 1 ad Oryzomys

64 1 yg ad aulisco

65 1 oryz old
1 aulisco yg ad.
1 Geoxus

66 1 ako longi ad. (small pellet)

67 1 old aulisco

68 1 ad. aulisco

[69] no skull

70 1 Eligmo
1 ako longi

71 1 Oryzomys.

72 1 Oryz.

73 1 aulisco ad.

Partial Pellets

auliscomys	𝍸 𝍸 1 =	11
ako longi	𝍸 𝍸 11 =	12
ako xantho	𝍸 1	6
Oryz	𝍸 111	8
Eligmo	11	2
Reithro	111	3
Geoxus	1	1
		43

Total of complete pellets:

aulisco	35
ako longi	52
Oryzomys	29
Eligmo	9
Reithro	14
Geoxus	1
Rattus	1
Irenomys	1
Chelemys	1
Euneomys	1
mus	1
	Σ 145

says that bulldozing is completed between here and Pilcaniyeu then Paso de Flores, but that it is still going on along the Collon Cura. Michael Christie returned today via the Collon Cura and saw bulldozing in several places and followed one briefly looking for animals. Didn't notice Chimangos.

april 24 Tuesday. Bariloche. Temp this morning −5°C. Met Sigfrido Rubulis on the street. He says that last summer there were some patches of bamboo flowering at Lago Jacob (near Refugio Jacob). Out at INTA were Susan and Never Bonino and a new girl Nora working on diet of Elk and Guanacos and sheep. One of their people said that the Electricity Coop is going to run a high tension line from Alicura to INVAP to Bariloche. Went to see a technical man at the Coop who said they have not learned yet when the work will start. He is going to meet with the contractor Friday morning.

Met Dicky Ojeda and 9 others on the sidewalk, all here for the national Park workshop. One person from the local Parques Intendencia doesn't believe that the mice increase following the flowering of the bamboo; instead, the mice just become more visible!

april 25. Left Bariloche at 9:30 to follow bulldozers along the Collon Curá. Just before ~~Collon Cura~~ Nahuel Huapi saw a road scraper scraping a nice stand of bunchgrass, neneo, and daisy (Senecio?). He was being attended by about 20 Chimangos. I followed him for about 300 yards

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and saw nothing. He even dug out a couple of big clumps of espina negra – still nothing. Didn't see the chimangos catch anything big, maybe worms or bugs?

Then stopped at the tuco place 11 km NNE of the outlet of Nahuel Huapi. There are tuco diggings also across the highway. Bulldozers were working in the Collon Curá Valley. The bulldozing part of the gas pipe line seems to be all done from the lower part of the Collon Cura Valley all the way to the divide between La Rinconada and Junín de los Andes (where I am camped between ~~the~~ road and pipe line ditch. One of the engineers said that they are progressing about 1 km per day down the Collon Cura Valley. I stopped near the Wood's Estancia and walked about 200 m of ditch looking for animals in it – nothing. Clear all day, windy. Camped on the divide between La Rinconada and Junín de los Andes (which is almost Junín).

April 26 Night clear, cold, breezy. Drove through Junín to San Martín, a smaller pipe line is being installed here also and is almost completed. Then up the hill towards Villa Angostura. Numerous stops for photos (gorgeous autumn leaves). At several stops out of San Martín there were tuco diggings; heard none. Sunny all day, Camped at Lago Falkner. Most of

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the slopes from San Martin to here have little or no N. dombeyi (coihue).

april 27 Night clear. Teapot in car froze almost solid. Battery down again, car wouldn't start. Three burlys came by about 9:30 and pushed. Drove slowly south to Villa Angostura (4:30 p.m.) with many stops for photos. Am impressed again with the abundance of ñire and lenga compared to coihue. Good stratification visible by colors at this time, ie between Falkner and Pichi Traful. Bariloche 7 p.m. Picked up 2 hitchhikers, Nora? and Pocho, who are tour guides and know everybody in Parques etc. A few Berberis darwinii in bloom.

april 28 Yellow jackets cleaned skulls on the balcony while I was away. They are still flying. New snow on Cerro López. Went up to Refugio Neumeyer (almost) in the afternoon (sunny all day, no clouds). All sorts of wood-cutters removing dead stuff including at least 4 city of Bariloche big dump trucks making several trips with firewood. Autumn colors just right.

april 29 Challhuaco in the morning to photo lenga along the flat part of the road. ~~a [illegible]~~ superintendent says the municipality is running the project to gather fire wood for "the humildes". Four big dump trucks packed with workers went up the road. They are "cleaning up" wood within 100 m of the road.

In the afternoon had tea with the Rapaports, then with Hilda Rumbold and Terry Wesley. He is fixing up a weekend house across the Limay at La Lipela, approachable by rowboat.

april 30 Bariloche. Rain all day. Still no Cedula at the Registro Civil. Nora Bonino and a CONICET becario Adrián Monjeau came by at 5:30. Adrián worked with Kravetz and with the Zagostomar chicas. He knew Dr. Vanzano and had hiked and camped in the Glaciar Esperanza-Rio Turbio region where the mice frozen in the glacier were seen by Vanzano. A hippy type living in a cabin in the area knew about the mice also but apparently didn't know an exact location. Adrián is going to study mouse populations in the steppe of Campo Anexo in Pilca and left his study plans for me to look over. Then at 9:30 Michael Christie came with Ellen Pedersen. She is helping with the collating of data in the vertebrate inventory.

may 1 Fiesta. Cloudy. New snow on mountains. Felipe Valverde came to discuss his Akodon project.

may 2 Raining all day. Drove to the Collón Cura Valley. Willows bright yellow along the Limay. The bulldozers are working 13 km above the little house in the willows, not much progress since last week. They were working in a sparse, sterile wheat field. I watched for about 10 minutes; nothing, no chimangos. They have 5 more km of wheat field to go, then 8 km of fairly good habitat. The man still says about 1 km per day. They had unearthed an Indian clay pot (broken) about 5 qts.

Looked for pellets under the cliff near the

bridge over the Collon Cura. Found only two quarts old pellets, but still lots of bones lying on the ground. Picked up 4 microcavia, 4 marmosa, 3 Phyllotis, and some unfamiliar akodon and chelemys? ? Calomys ? Dinner with Christie.

May 3 INTA in morning. Took Eligmo MS to Susan + Javier, and discussed mouse project with Adrian Monjeau. In afternoon put 32 MS and 32 Shermans in the "steppe" habitat of the race track ~~10 km~~ 12 km west of town (with Ellen Pedersen). She + Christie will pick them up tomorrow. Day mostly cloudy and cold windy.

May 4 Cloudy, some drizzle, then rain. The traps (32 MS and 32 Shermans) held 6 Eligmo, 2 Oryz, 5 Ako oliv, and 1 Ako ? ~~xantho~~ olivaceus ? plus 1 Ctenomys in the 1 macabee. 5 of the 14 mice were in Shermans (some of each). Lots of sprung MS. Spent day skiing, then to Hilda's to see about taking Sambo to Wood's.

May 5 Bariloche. Cold, clear all day. Went down to Confluencia. Saw Pelado cross the road near Lipela, about 10 Condors over Tehuel Malal. Picked up about 2 quarts of large pellets at the Tehuel Malal cliff, mostly under the maiten tree at the base of the cliff. Didn't pick up any loose bones; everything with fur. Saw a few cold yellow jackets along the Limay.

May 6 Bariloche. Drove Hilda and Sambo to the Wood's at La Rinconada. Bulldozers and roadscrapers were

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Horned owl pellets from Tahuel malal
mayo

Complete/pellets

① 1 Oryzomys ad.
② 2 Oryz
1 abro oliv.
1 abro xantho
③ 3 Oryzomys.
④ 1 abro longi
1 aulisco adult
⑤ 1 aulisco ad.
1 Eligmo sic
⑥ 1 yg ad Reithrodon
⑦ 1 Irenomys
1 aulisco old.
⑧ 4 Oryz.
⑨ 1 old aulisco
⑩ 1 Oryz
2 birds
⑪ 1 old aulisco
1 ad Oryz.
⑫ 1 old Oryz
1 old abro longi
⑬ 1 Oryz
1 old Reithro
⑭ 1 Irenomys.
2 abro longi
1 Oryz
⑮ 1 ad Oryz
1 old abro longi
⑯ 1 yg ad Reithro
⑰ 1 oldold abro longi
⑱ 2 juv. Reithro
1 old old Oryz.
⑲ 1 ad aulisco
⑳ 1 Irenomys ad
㉑ 1 old old aulisco
㉒ 1 Oryz
1 Eligmo.
㉓ 1 juv aulisco
㉔ 1 Oryz
㉕ 1 Oryz
㉖ 1 old old abro longi
㉗ 1 old abro longi
1 old Oryz.
㉘ 1 Eligmo
㉙ 1 ad. aulisco
㉚ 1 ad Irenomys.
㉛ 1 Oryz.
㉜ 1 old old aulisco
1 ad aulisco) not a big pellet!
㉝ 1 abro longi
㉞ 1 yg ad abro longi
㉟ 1 old old aulisco
㊱ 1 abro xantho
㊲ 1 old Reithro.
㊳ 1 yg ad abro longi
1 old Oryz
㊴ 1 ad. Reithro
㊵ 2 old aulisco
㊶ 1 ad aulisco
㊷ 1 old Oryz.
㊸ 1 old old aulisco
㊹ 3 abro longi (1 ad, 2 old)
1 aulisco adult
㊺ 2 ad Oryzo.
㊻ 1 yg Reithro
㊼ 1 yg abro longi
1 juv Reithro
㊽ 1 old aulisco
1 ad oryzo
[49] no skull
㊿ 1 ad abro longi
[51] no skull
(52) 1 ad aulisco

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owl pellets from Tokwel malal may 5 (cont.)

complete pellets:		TOTAL	partial pellets:
auliscomys	19	29	卌 卌
ako longi	13	17	||||
Oryzomys	27	33	卌 |
Reithrodon	9	14	卌
akodon xantho	2	3	|
Irenomys	4	4	
chelemys		1	|
Bird	2	3	|
ako oliv.	1	1	
Eligmo	3	3	
		108	

note no tucos. [illegible]

working in good habitat 3.6 km above the little house in the willows. Followed the scraper making a fresh cut in bunchgrass/neneo for about 100 yards. Nothing. The driver said he sees a couple of mice per day.

Jim Vitt showed me his almond orchard with lots of mouse-nibbled almonds under the trees, up in the trees, and in the weeds away from the trees. He sees mice in the daytime up in the trees, also a chunky mouse on the ground. Part of his problem is that he fertilized the trees and this caused a heavy crop of weeds such as sweet clover, (no grazing in the orchard). He does not seem to have tuco-tucos, Does have deer. Met the son Walter and daughter-in-law Jane, both civil engineers. Day mostly sunny, drizzly in evening.

May 7 Bariloche. Mostly clear, windy. Javier Puntieri came to talk about his thesis problem – amancay. Doesn't seem to have made much progress, and didn't think my suggestion for measuring biomass of the rhizomes was practical because he doesn't have a team to help him nor transport!

May 9 To Collón Curá with Ellen Pedersen. Stopped at the two places 7 km beyond the Fortin Chacabuco gate and found another!! Squashed *Galictis* there, 15 km up the Collón Cura. The roadscraper was mired in a mallín. One of the men, who seemed to be a good informant, said

they had recently cut through an ant nest (leaf-cutter) and that down below the nest was a 1½ meter snake. He was not impressed with number of mice around.

We stopped at 8.5 km above the bridge (by road – 7 km N. direct), where there is a rocky knoll, and put traps out among the rocks and across the desert, which is quite sandy and contains cola de piche, alverjilla, *Senecio subulatus*, [illegible], *Senecio* [illegible], and (nearby) mata torcida! just like the Cañadón Bajada. I put 18 Sherman and 25 MS; Ellen put 19 Sherman and 32 MS.

Then drove down to the owl cliffs where I put 4 steel traps for guinea pigs in sandy hummocks with big *Senecio subulatus*, between the road and the river. Lots of digging, carnivore tracks, a few big rodent tracks, but no caviomorph droppings. Also about 6 MS. Then put 15 cage traps along the bottom of the owl cliff and a spring at the NW end of the cliff. Saw marmot-like droppings there. Ellen put 20 MS and 19 Sherman.

Camped out in the flats among big Senecio. Put 6 more traps in a rock outcrop around camp.

May 9 Night clear, calm, no frost. The 6 traps around camp held 2 big *Phyllotis* (one of them giving birth) and one big pale *Eligmodontia*. At the cliff (2 km N), 1 marmosa and 1 Phyllotis. Across the road in steel traps 1 *Ako. iniscatus*. In the rocks and

desert at 7 km were 5 *Eligmo* and 1 *Phyllotis*. Stopped at the little house in the willows to photo; the desert there was full of mouse tracks, probably *Eligmo*. Not as many tracks at 7 km. Skinned and rebaited same 2 lines.

May 10 Camped at Collon Cura (site of bales). Night clear, calm. Water jug froze partially. My line in the desert at 7 km N (+ rocks) caught only 1 *Eligmo*. Ellen's line caught 3 *Eligmo*. Small fox with very large black tail tip was competing with chimangos, caranchos, aguiluchos, and black vultures for a rabbit at about 20 km N of the bridge.

My line at the base of the cliff (2 km N) and around the spring (*Senecio subulatus*) caught nothing. Across the road in sandy " " only one bird
in the 7 steel traps and 6 or 8 M.S. Ellen's line had a Furnariid, cinclodes like with spiny tail.

The roadscraper was still mired in the morning, but they pulled it out at noon, but apparently needed repairs and was not going to work today. Various drivers agree that they don't see many animals. One said the sandy areas were best.

Home at 2 pm and finished skinning. I was impressed at how much the vegetation of the lower Collon Cura is like the Comallo Bajada: *Senecio subulatus*, *Chuquiraga integer*, neneo, *Stipa*, *Sapium* (only a few), also a few very stout *Ephedra* and a very stout *Colletia*. The *Eligmo* are pale and long-tailed, the *Akodon iniscatus* bigger than *xanthorhinus*. The

marmosa was very fat-tailed. It might have been too cold to catch many marmosa; surely that spring surrounded by bushes at km 2 would be a good place for them. I could find no trace of guinea pigs.

May 11 Bariloche. Car being serviced. Sunny. Froze at night.

May 12 Ice on windshield. Dinner last night with Gallopins. Reig has accepted Directorship of the museum in B.A. He is planning to support a corp of researchers via CONICET. Sunny all day. Drove to the Limay hanging bridge. 3 squashed hares, (more than on previous trips). Saw 16 guanacos at 10km NNE Nahuel Huapi.

May ~~13~~ 14 Morning clear, cool, windy. Left with Adrian Monjeau for Campo Anexo. Talked briefly with Don Juan, then looked at the exclosures and the grid. All about same. Then drove to the Cavallo Bajada and put 11 cage traps at the two rocky places for Phyllotis and Euneomys. Ramón, the puestero there, says he hears owls at night but doesn't know where they roost.

Then put 4 lines of traps at the NE corner of the INTA property. Adrian and I each put a line of 20 (alternating Sherman and MS) in the Campo Fistulada, which hasn't been grazed for a year or more (Don Juan) and is probably the least-grazed part ~~of~~ of INTA (Bonino). Also lines of 20 each in the Campo Antiqueo just across the fence. Bonino says heavily grazed. It does look a little sparser, less tall Festuca. Both are essentially Stipa/neneo with a smattering of Senecio + Adesmia.

Then drove to Cañadon Bonito and set two transects; one down the hill and across the clausura (Adrian) and one down the hill and across the grazed mallin (mine). Clear cold + windy. Camped next to the clausura.

May 15 Night mostly windy, partly clear, no ice. Lines in the Cañadon Bonito: Adrian caught nothing on the rocky knoll with 15 traps. His ~~##~~ 33? traps down the hill and across the double-exclosure mallin caught 2 Abro longi in the dense grass of the mallin (plus hare droppings) and in the steppe (hill) 1 Abro xantho and 2 Eligmo. My line of about 30 down the hill and across the grazed mallin (but still considerable cover) caught 2 Eligmo in steppe vegetation and 1 in the first trap into the mallin.

In the Campo Fistulad$\overset{A}{o}$s, Adrian caught 4 Eligmo and 1 Eligmo in the adjacent grazed Campo Antiguo. I caught 7 Eligmo in the Campo Fistuladas and 2 in the Antiguo (one of these might have been an Abro xantho but it escaped. In the rocks at Ramón's Puesto, the 6 cage traps had 1 Eligmo and 2 Phyllotis. In the rocks farther east, the 6 cages had 2 Phyllotis. One of the cages with a Phyllotis in it ~~had~~ been rolled downhill about 2 meters and a horned owl was attending it. Didn't want to leave it, and flew off only 20 m and watched while we released these 2 Phyllotis. They were very hungry and immediately started eating rolled oats tossed under their rocks. A chimango pestered the owl briefly.

Skinned all day and then checked traps. Nothing at Campo

Fistuladas near Campo Antiqueo at Cañadon Bonito 1 ako pontillo in my line (steppe vegetation) and 1 furnariid bird. In Adrian's line 1 ako longi in the mallin clausura..

Sprinkled rain in the afternoon. Evening mostly cloudy, no wind. Tucos singing near the mallin,

May 16 Cañadon Bonito. Night cloudy, little wind, no ice, my line ~~[illegible]~~ crossing the grazed mallin caught 2 Eligmo (on the hillside). Adrian's crossing the ungrazed mallin caught 1 Auliscomys and 1 ako longi in the mallin and 4 ~~3~~ ~~[illegible]~~ Eligmo on the slopes. Heard Ctenomys in the evening (6 pm) after the wind had died down. Saw a dozen rheas in the mallin upstream.

My line in the Campo Fistuladas caught 3 Eligmo and 1 ako pontillo, and in Campo Antiqueo nothing. Adrian caught 4 Eligmo in the Fistuladas and 1 in Antiqueo.

At noon set 6 steel traps for guinea pigs at about 6 km WNW Comallo, then dissected til 3pm. Nothing in the 4 cage traps at the Phyllotis rocks. Then drove back the dirt track behind Ramón's puesto to the cliffs hoping to find pellets. Rocky canyon with dense cola de piche and with duraznillo 8 ft tall. Found a couple of quarts of pellets, probably Tyto. Returned Bariloche 7:30PM.

(The distance by car from the owl pellets to the road was 2.0 km plus maybe 0.3 km more by foot to the bottom of the cliff).

May 17 Bariloche. Scattered clouds, showers.

May 18 Bariloche. AM -9°C, snowing heavily, but soon turned to slush,

May 19 Bariloche, snowing heavily. About 3" fell at the apartment and 8 inches up at the University where I attended

a session for planning the curriculum. Dissected owl pellets.

May 20 Cold, drizzly. Some snow still left.

May 21 Partly sunny in the afternoon. At 4 p.m. put traps across the flanks of Cerro Leones, reaching up to the base of the cliff at the left-hand end and crossing a rocky knoll, but most of them in pre-cordillera steppe. Alternated big Shermans and MS; total 130.

May 22 Bariloche, first part of night without rain, but rain + snow before dawn. Ran traps at 9 a.m. in drizzle + graupel. They held 22 *Ako xantho*, 16 *Eligmo*, 3 *Ako longi*, and 1 Ctenomys (in a MS at a hole). Two diggings at one other place. Note no *Auliscomys* and very few *Ako longi*. Saw 2 hares yesterday while setting.

Rain and heavy wet snow most of the day, but the snow not lasting. Did not check traplines in the afternoon.

May 23. Bariloche. Cold + drizzly in the morning, almost clear at Cerro Leones. Picked up traps at 9 a.m. and also new owl pellets. Saw no owls.

About half the museum specials were sprung by rain or hail. The catch was: 1 *Phyllotis* (rocky knoll), 2 *Ako longi* (at least one of them up at the bottom of the cliff), 13 *Ako xantho* (1 of them in the same trap that caught the two yesterday) and 9 *Eligmodontia*. In spite of rain + sleet only 1 of more than 30 mice was dead in a Sherman (rolled oats ~~oat~~ meal bait).

Vegetation is fairly rich and diverse: lots of bunchgrass (mostly Poa, some Stipa), the commonest shrubs a

Pearson
1984

Owl Pellets from 10 km WNW Comallo, Neuquen

Complete pellets (May 16)

① 3 Eligmo (all adult)
② 1 yg ad Phyllotis.
③ 3 Eligmo (1 yg ad, 2 ad)
④ 4 Eligmo (yg ad or ad.)
⑤ 5 Eligmo ad (1 of them very old)
⑥ 3 Eligmo (2 ad, 1 very old)
⑦ 1 Reithro ad.
⑧ 2 ad. Eligmo
⑨ 3 ad Eligmo
⑩ 2 Phyllotis yg ad.
⑪ 3 Eligmo ad,
⑫ 2 Eligmo ad.
⑬ 1 ad Reithro

These ↑ all from same spot.

Partial Pellets

Eligmo 卌 卌 ||||
Reithro ||
Phyllotis |

---

3 pellets from W side of canyon:

① 2 Eligmo (1 yg 1 ad)
1 also Reithro ad.

② no skull but marsupial pelvis

③ 1 bird
1 tuco
1 Eligmo

---

mixed bag:

complete pellets

① 1 Eligmo ad + larger leg bones.
② 2 Eligmo ad.
③ 1 Reithro ad.
④ 2 Eligmo ad.
⑤ 1 Eligmo ad + 1 big pelvis (dark fur) (marsup?)
⑥ 3 ad Eligmo
⑦ 3 ad Eligmo
⑧ 3 ad Eligmo
⑨ 3 ad Eligmo
1 large pelvis
⑩ 3 Eligmo (2 ad + 1 juv)
⑪ 1 small Ctenomys
⑫ 1 ad Eligmo
1 large pelvis
⑬ 1 bird
2 Eligmo

Pearson
1984

Owl pellets from 10 km WNW Comallo (cont.)
May 16

Partial Pellets:

Eligmo	卌 卌 卌 卌 卌 卌 卌 卌 卌 卌 IIII	(54)
Reithro	卌 III	⑧
Phyllotis	卌 卌	⑩
Ctenomys	卌 I	⑥
Bird	IIII	④
akodon xantho	卌 卌 II	⑫
Oryzomys	I	①
ako longi pil	II	②
microcavia	IIII	④
marsupial		○

⑭ baby bones & pelvis marsupial

⑮ 2 old ako xantho

1 old Eligmo
⑯ 1 yg ad Reithro

⑰ 2 Eligmo (1 old 1 ad)

⑱ juv. marsupial (no teeth)

⑲ 4 Eligmo (1 old old, other adult

1 Eligmo
⑳ 1 ako longi

2 Phyllotis (juv)
㉑ 2 Eligmo
1 Oryzomys

㉒ 2 Eligmo

㉓ 3 Eligmo

㉔ 3 Eligmo

㉕ 1 Reithrodon adult

1 old ako xantho
㉖ 1 ad. Eligmo

2 Eligmo ad.
㉗ 1 fetus ? of ? Phyllotis.

3 Eligmo (1 old 2 ad)
㉘ 1 xantho or ? notio?

2 juv. aulisco
㉙ 1 ako xantho?
1 ? Oryz?

2 ad Eligmo
㉚ 1 marsupial pelvis + long bones

[㉛] [no skull]

1 ako xantho
㉜ 1 Eligmo (yg ad)

㉝ 1 Phyllotis (ad)

㉞ 2 Eligmo ad.

㉟ 3 Eligmo (2 ad, 1 old old)

1 ako longi (ad.
㊱ 1 bird

2 Eligmo (1 old old, 1 youngish)
㊲ 1 long bones of big ?

1 juv Phyllotis
㊳ 1 ad Eligmo ?, cavi
1 long bones of juv. big

㊴ 1 Euneomys (youngish) and "grass seed"

㊵ 3 ad. Eligmo

㊶ 1 yg ad aulisco

㊷ 1 very yg Reithro (very small pellet)

Pearson
1984

May 16. 10 km WNW Comallo

Summary of owl pellets (probably Tyto guttata) from 10 km WNW Comallo – a cliff/canyon less than 2 km from the road, north of the chacra of Ramón Neculpán.
58 complete pellets, plus fragments of pellets.

	Sack 1 13 complete pellets	Sack 1 Partial pellets	Sack 2 45 complete pellets	Sack 2 partial pellets	Σ
Eligmodontia	28	14	63	54	159
Akodon [illegible]	0	0	6	12	18
Phyllotis	3	1	4	10	18
Reithrodon	2	2	4	8	16
marsupials					
Ctenomys	0	0	2	6	8
Birds	0	0	3	4	7
Akodon longi	0	0	2	2	4
Microcavia	0	0	0	4	4
Auliscomys	0	0	3	0	3
Oryzomys	0	0	1	1	2
Euneomys	0	0	1	0	1
					246

Some of the marsupials were in pellets and some were loose jaws. About 4 pellets contained marsupial long bones or pelvises or basioccipitals without any teeth. Usually young individuals. Apparently the owls avoid eating the heads? The Euneomys was in a good pellet by itself and much frass looking like grass seed, maybe stomach contents? This owl roost is within 2 km. of all of our Comallo trap sites. Do rarities associate in the same pellet?

narrow-leafed *Baccharis*. Some neneo and acaena, scattered *Colletia*, a few spiny trees like at San Ramón, palo piche (especially high on the slopes), lots of the sawtoothed bromeliad (especially high up), a few Ephedra + Senecios

Total catch:	1st night 130 traps	2nd night ± 100 traps
Ako. [illegible]	22	13
Eligmo	16	9
Ako. longi	3	2
Phyllotis	0	1
Ctenomys	1	0
	42	25

note no *Auliscomys* Σ 67

Wet snowing at 11 PM

May 24 more wet snow, but not staying on the ground. Visited INTA and talked with Susan + Javier, then Javier Salvo and Graciela came to call. They recently caught a 70-g Auliscomys, the stomach + intestine weighed 20g, and it was carrying (a ♂) 5 gms. of axillary, inguinal, and visceral fat (especially around testes). maybe they do hibernate?

Pearson
1984

Owl Pellets from Cerro Leones, May 23, 1984
(Previous collection was April, 1984)

Complete Pellets:

(1) 1 aulisco (yg ad.)

(2) 3 abro xantho (1 ad, 1 yg ad, 1 ?)

(3) 2 abro longi (ad)
1 Oryz (yg ad)

(4) 1 ad Oryz
2 abro xantho
1 Euneomys juv.
1 Bird

(5) 1 abro longi yg ad
1 aulisco yg ad

(6) 1 Ctenomys small
1 Oryzomys old

(7) 2 ad Euneomys
1 yg aulisco
1 ad abro longi

(8) 1 yg ad aulisco
1 " abro xantho

(9) 1 yg Reithro

(10) 1 juv Reithro
1 juv aulisco
1 ad Eligmo
1 old Euneomys

(11) 1 juv. Reithro
1 yg ad abro xantho

[(12)] long bones only

(13) 1 abro longi yg.
1 aulisco old

(14) 2 aulisco (1 old 1 yg)

(15) 1 bird

(16) 1 aulisco old

(17) 1 ad ♀ Ctenomys

(18) 1 old Eligmo
1 ad abro xantho
1 ad abro longi

Totals of complete pellets:

aulisco	9
abro xantho	8
abro longi	6
Euneomys	4
Oryzomys	3
Reithrodon	3
Eligmodontia	2
Ctenomys	2
Geoxus	0
Bird	2

Partial pellets:

(abro longi 2 yg ad
Geoxus 1 yg ad) in same partial pellet

Total ~~#~~ in partial pellets:

aulisco	I	= 1
abro xantho	II	= 2
abro longi	III	= 3
Euneomys		= 0
Oryzomys		= 0
Reithrodon	I	= 1
Eligmodontia		= 0
Ctenomys		= 0
Geoxus	II	= 2
Bird		= 0
		9

O.P. Pearson
1984 (spring)

Species Accounts

Argentina

Pearson
1984

Akodon longipilis

May 23 – Cerro Leones, caught 6 in < 260 trap nights, far outnumbered by Ako xantho and Eligmo. See 7209 as well as:

84-450 ♀	153×62×22×15 19g.	uterus thin white no scars
84-451 ♀	157×65×22×14 19½g.	" " "
84-452 ♀	157×66×23×14½ 27½g.	" " " pelvis not open
84-453 ♂	156×63×22½×15 19g	testis 3 white

Pearson
1984

akodon xanthorhinus

may 22 Cerro Leones. In 130 traps, 22 xanthos, as follows:
(see also # 7210):

84-400 ♀	128 × 50 × 20½ × 14	15 g.	uterus thin no scars
84-401 ♂	121 × 48 × 19 × 14	12 g	testis 3 mm, white, no fat
84-402 ♀	122 × 50 × 19 × 14	12½ g.	ut. thin, nullips
84-403 ♀	122 × 49 × 20 × 15	13½ g	" " "
84-404 ♀	126 × 50 × 20 × 15	12½ g	" " "
84-405 ♀	122 × 45 × 20 × –	12 g.	" " "
84-406 ♀	123 × 48 × 19 × 14	14 g	" " "
84-407 ♂	128 × 48 × 20 × 14½	12 g	testis 3 white
84-408 ♂	116 × 44 × 19½ × 14½	14 g.	testes 3 mm, one white one red.!
84-409 ♂	120 × 50 × 19½ × 14	13 g	testis 3 mm white
84-410 ♂	117 × 47 × 19 × 14	12 g.	testis 2½ white
84-411 ♂	121 × 50 × 20 × 19	14 g	testes 3 mm, dark, not floppy.
84-412 ♂	124 × 50 × 20½ × 14	13 g.	testis 3 mm white
84-413 ♀	125 × 46 × 20 × 15	12 g.	uterus thin, no scars
84-414 ♀	122 × 51 × 19½ × 15	13 g	" "
84-415 ♂	131 × 52 × 20 × 15	15½ g.	testis 3 mm white
84-416 ♂	125 × 49 × 19 × 14	13½ g.	testis 3½, sl. dark
84-417 ♀	124 × 47 × 20½ × 15	15 g.	uterus thin, no scars
84-418 ♀	130 × 50 × 19 × 15	12 g.	" " " "
84-419 ♂	138 × 52 × 20½ × 14	12½ g	testis 3 mm white
may 23			
84-420 ♂	135 × 53 × 20½ × 15	13½ g.	testis 3½ white
84-421 ♀	125 × 50 × 19 × 14	15 g.	uterus thin white no scars.
84-422 ♂	126 × 46 × 19½ × 14	14 g.	testis 3½ mm white
84-423 ♂	125 × 48 × 19 × 14	14 g	testes 3 mm white

Pearson
1984

Akodon xanthorhinus (cont.)

May 23 (cont.) Cerro Leones

84-424 ♂	123 × 47 × 19 × 14	$14\frac{1}{2}$ g.	testes $3\frac{1}{2}$ / pink SB3
84-425 ♂	134 × 51 × 20 × $14\frac{1}{2}$	$15\frac{1}{2}$ g.	testes $3\frac{1}{2}$, white
84-426 ♀	131 × 50 × 20 × $14\frac{1}{2}$	14 g.	uterus thin white no scars.
84-427 ♀	130 × 50 × $19\frac{1}{2}$ × 14	13 g.	" " " "
84-428 ♀	131 × 52 × 20 × 14	12 g.	" " " "
84-429 ♀	124 × 45 × 20 × 14	12 g.	" " " "
84-430 ♀	144 × 59 (sic) × 20 × 14	$16\frac{1}{2}$ g.	uterus thicker than the others, no scars, pelvis slightly open, nipples not seen.
84-431 ♂	134 × 51 × 20 × 14	$14\frac{1}{2}$ g.	testes 3 mm white
84-432 ♂	133 × 52 × $19\frac{1}{2}$ × 14	12 g.	" " " "

Pearson
1984

Eligmodontia typhus

May 17. Spent 2 days with Adrian Monjeau trapping at Cañadon Bonita and at the east end of INTA (Campo de las Fistuladas and Campo antigueó). Caught numerous Eligmo and a few Ako xantho. Dissected about 20 Eligmos; only one of the females was parous, and probably none of the males was post-reproductive.

May 22 Cerro Leones. In 130 traps (1/2 Sherman 1/2 MS) caught ~~15~~ 16 Eligmo as follows: (see also # 7211)

	84-300 ♀	146 × 70 × 22 × 15 ×	15½ g.	multiparous	
	84-301 ♂	155 × 79 × 23 × 16	17½ g.	testis 3 mm white	
	84-302 ♂	144 × 68 × 23 × 15	16 g.	testis 2½, white	large fat body
	84-303 ♂	155 × 78 × 23 × 15½	17 g.	testis 3, white	"
	84-304 ♂	150 × 68 × 22½ × 16	15 g.	testis 3, white	"
	84-305 ♂	150 × 76 × 23 × 15	17 g.	" " "	"
	84-306 ♂	146 × 70 × 22 × 15	16½ g.	" " "	"
	84-307 ♂	143 × 68 × 21½ × 15	17½	" " "	"
	84-308 ♂	— 68 — × 22 × —	—	" " "	"
	84-309 ♀	143 × 69 × 21 × 14	14 g.	vagina open (sic) uterus nullip	
	84-310 ♀	143 × 67 × 22 × 15	15 g.	nullip.	
May 23	84-311 ♂	150 × 75 × 22 × 14½	15 g.	testis 2½ mm white, much fat.	
	84-312 ♂	150 × 70 × 22 × 15	15 g.	" " " " "	
	84-313 ♀	136 × 67 × 22½ × 15½	15½ g.	uterus thin white, no scars, much ovarian and visceral fat.	
	84-314 ♀	160 × 81 × 22 × 15	13½ g.	uterus thin white, no scars no fat.	
	84-315 ♀	145 × 70 × 21½ × 15	13 g.	uterus thin white no scars much fat.	
	84-316 ♂	143 × 68 × 21½ × 14½	13 g.	testis 2½ white, much fat at kidneys & testis.	
	84-317 ♀	143 × 68 × 21 × 15½	14 g.	uterus thin, white, no scars, much fat at kidneys, ovaries, inguinal,	

Pearson
1984

Eligmodontia typus (cont.)

May 23 - Cerro Leones (cont)

84-318 ♂ 163×81×23×17½ 17g. testis 2½, white

84-319 ♂ 142×65×21×15 13g " " "

Pearson, O.P.

1984 (fall)

catalogue

7217 - # 7229

Argentina

Pearson
1984

Catalog

Pampa Huenuleo, 5 km SW Bariloche, Río negro, argentina

Oct. 31

liquid subcut cyst on shoulder, 23g. Saved.
7217 ♂ Ctenomys 243×72×32×5 198g. Bladder 5g.
testes 10 mm, SV thin. cyst identified by
Dr. Marcelo C. Suarez as Coenurus serialis (Gervais, 1847)

2 km E Estación Perito moreno, Río negro

nov. 7

testes 4 mm, SV 3. stomach with green glop
7218 ♂ Reithrodon 143×51×21×27 20.5g.

43 km SSW Bariloche, 1200 m, Río negro

nov. 25

nipples large, no milk. VO 2½ mm faint scars
7219 ♀ auliscomys. 257×109×30×20 62½ g cecum 65 m
ovaries no pink CL

Rio Castaño Overo, 890 m, 44 km W Bariloche, Río negro

nov. ~~20~~ 30

7220 ♂ auliscomys 250×110×30½×21 76g Testis 10, SV 15

Refugio Neumeyer, 1500 m, 13 km SSW Bariloche, Río negro

Dec. 3

stomach brown glop, cecum large.
7221 Chelemys 153×47×25×16 35g Testis 4.5, SV 3

Dec. 4

caught Dec. 3, nipples large, milk.
formol 7222 ♀ " 175×50×25×15½ 76g. Recently partuient. 5 small
formol 7223 ♂ " 181×53×26×17 85g. testis 13, SV 16

2 km E Estación Perito moreno, Río negro

Test 8, SV 10 much fat caught nov. 11 weighed 25g.
formol 7224 ♂ Reithrodon 190×77×31×24 50.5g
uterus pink 1½ mm, much fat caught nov. 11 weighed 25 g
formol 7225 ♀ " 188×75×30.5×23 48.5g.

10 km WSW Comallo, Río negro Dec. 10

large nipples, no milk
7226 ♀ Reithrodon 225×81×33×26 105g. 7 fetuses of 27 mm CR
at Puerto Blanco 2 incisors 2.22 mm. testis 2 mm
7227 ♂ Ctenomys general 146×43×24×–×36g. stomach green
210 4 fetuses, 32 m C-R
7228 microcavia 187×0×43×17 210g

Puesto Blanco, 23 km NNE Pilcaniyeu, Rio Negro

Dec. 11

7229 ♂ Ctenomys juv. 2 upper incisors 2.8 mm, stomach green
159 × 43 × 25 × – 49 g testis 2 mm

Pearson, O.P.

1984 (fall)

Journal

Species Acc'ts.

Argentina

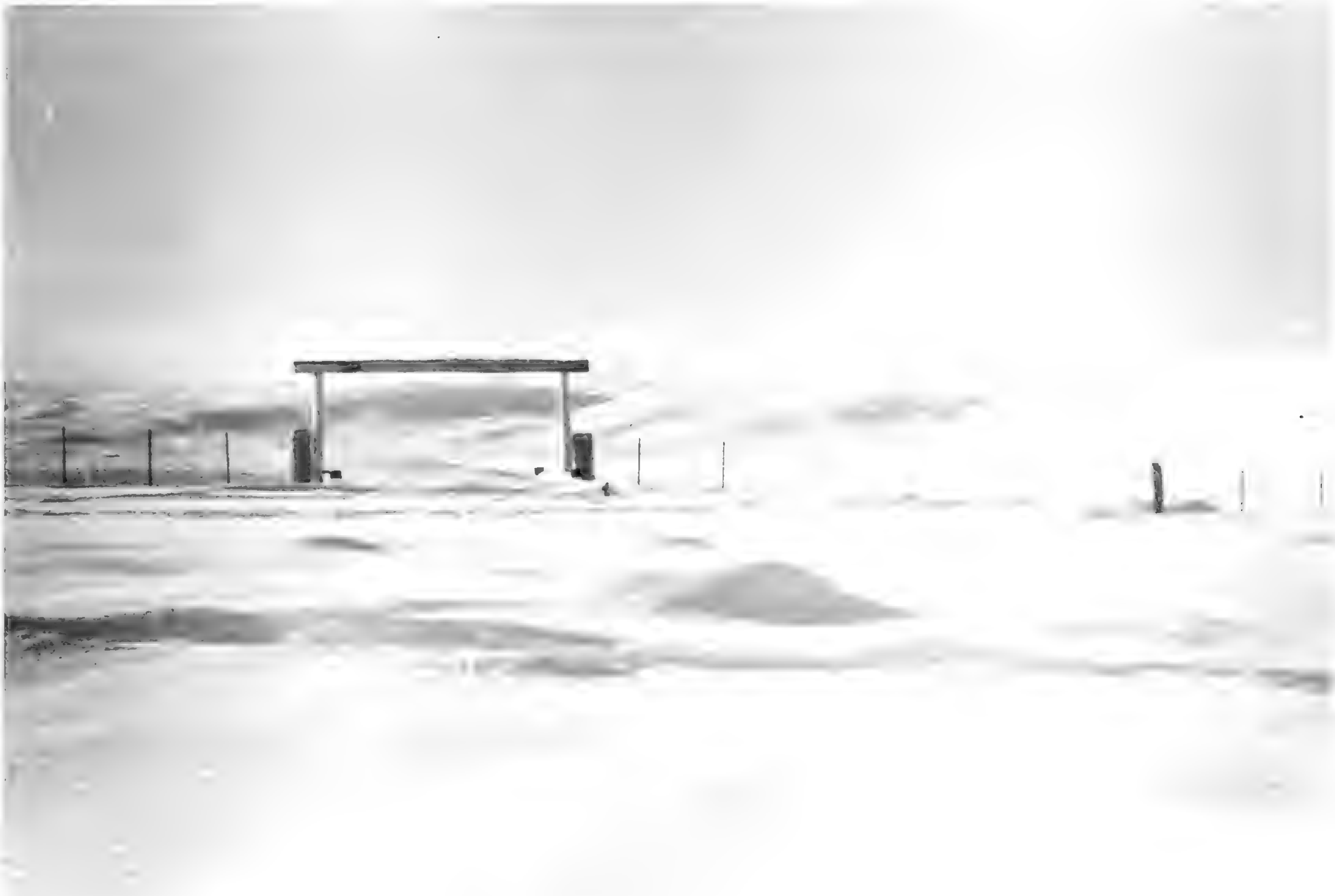
Pearson
1984

Oct. 29 Bariloche. Arrived from Buenos Aires about 11 a.m. Completely overcast, 3°C, rain and snow. In B.A. saw Willie and Mary Joe Mengoni, Osvaldo Reig, and student Claudio Silingardi and Miguel Pellarano. Reig teaching at the University, not director of the museum (Director is still Gallardo), Crespo still the mammalogist. Willie* is teaching + Mary Joe has a CONICET Fellowship. Also had lunch with Kravetz, Juan, Maria Busch (mouse competition) and another student♀ doing burrowing owl predation. Also tea with Nottebohm parents. A thunder rain storm overnight in BA had blown down big trees along the Costanera.

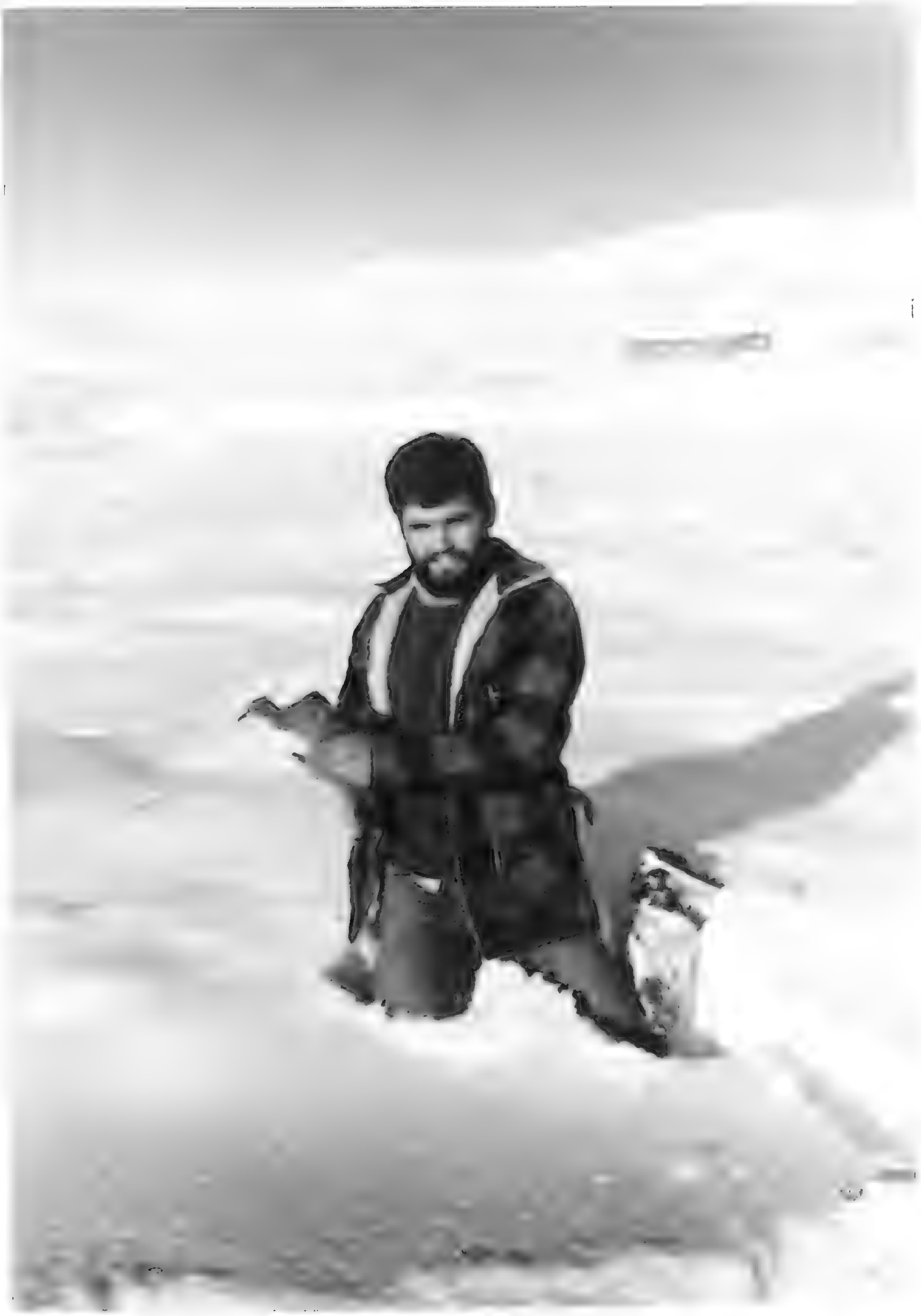
Javier Calvo came to call, was completely snowed out of Cerro Otto during the winter. He took a helicopter ride over the steppe: it was all white, with dead sheep etc. Everyone agrees worst winter in 40 years!

Oct. 30 Cold, scattered sun. A few daffodils out; apple trees in town are blooming. Michael Christie in B.A. but saw Marcelo Bettinelli. Lombardi poplars just beginning to leaf. A few Scotch broom blooming

I rode out to Cerro Leones and looked for Reithro burrows (none) and collected owl pellets (about 1 qt.). Found mouse traps (INTA?) up near the cliff. Maybe Adrian Was Ellen Pedersen has been trapping there (and collected pellets?). Lots of Baccharis; Palo Piche just below the cliff,



campo anexo, INTA, Pilcaniyeu Viejo. July 13, 1984
Photos by adrian monjeau.



adrian monjeau and exhausted
tinamou at Pilcaniyeu Viejo.
july 13, 1984.

Pearson
1984

the cardo (bromeliad) heavily grazed. Saw jack rabbit, a few black beetles.

Then drove to the old matadero meadow on Pampa Huenuleo. Lots of Reithro holes but almost no droppings. also tuco-tuco signs including huge deep runways that were probably made under the snow, and two droppings out in undug turf. Set 8 steel traps for tucos and skunk, and 8 new Reithro cage traps and about 6 old cage traps for Reithro, baited with Dandelions. Weather cold, mostly cloudy.

Before dark caught 2 tuco-tucos. Heard no singing. Camped in middle of meadow.

Checked traps at 10 p.m. (moon half-full), nothing.

Oct. 31 Pampa de Huenuleo. Began to rain at 10:30 p.m. checked traps at 3 a.m., rain/snow, nothing. Still raining at 7:00 AM. Picked up traps, none touched. new snow on the trees up on Cerro Otto. Returned to Bariloche 8:00 A.M. Rain rest of day. Christie visited in afternoon.

Nov. 1 Early morning sunny, then clouded over, then rain. Went to INTA and talked with Javier Bellati, Susan Martin, and Julietta von Thungen. Lots of talk about how severe the winter was. 1½ m. of icy snow at Pilca; lots of dead sheep and guanacos. I wonder about the rheas? The grey foxes seem to have been badly hit but not the red (what evidence?). The

Pearson
1984

Owl Pellets from Cerro Leones
Oct. 30, 1984

(1) 1 old aulisco

(2) 1 ad aulisco

(3) 1 ad Reithro

(4) 1 ad Euneomys
1 yg ad aulisco
1 yg Eligmo?

(5) 1 old aulisco
2 juv. "

(6) 1 ad Eligmo
2 ad abro longi

(7) 1 yg aulisco
1 old abro longi
1 Oryz ad
1 ?

(8) 1 ad aulisco
3 abro xantho (1 old)

(9) 1 old aulisco

(10) 1 Ctenomys upper pr. 4.6 mm lower ~~[illegible]~~ 2.17

(11) 1 juv. aulisco
1 Oryzomys

(12) 1 ad abrodon longi

(13) no skull

(14) 1 Reithro juv.

most of above 14 pellets somewhat pale + weathered.

(15) big pellet but only 1 Oryz old

(16) 2 old abro longi
1 Eligmo

(17) 1 Oryz
1 Geoxus

(18) 1 yg aulisco

(19) 1 abro longi
1 abro xantho

(20) 1 Oryz adult ♀

(21) 1 yg ad aulisco

22 2 abro xantho

(23) 1 old abro xantho
1 ad Eligmo

(24) 2 yg ad abro longi
1 yg aulisco

(25) 1 ad aulisco
1 old abro longi

(26) 1 yg ad. aulisco

(27) 1 old aulisco

(28) 1 yg ad Reithro
2 ad abro longi
1 ad Oryz.

(29) 1 ad aulisco
1 abro longi

(30) 1 old abro longi
1 ad. aulisco

no tuco incisors to measure

Partial pellets:			Whole pellets	Total
abro longi	||	2	14	16
Reithro	||	2	3	5.
abro xantho	|||	3	7	10
Ctenomys	|	1	1	2
Oryzomys	|	1	6	7
aulisco	||	2	18	20
Bird (tiny)	|	1	0	1

Cont. Total

Euneomys	1
Eligmodontia	4
Geoxus	1
	(67)

vicuñas at the Reserva San Guillermo are said to have reduced their numbers from 8,000 to 1,000. Adrián trapped the Campo Fistuladas etc, 300 trap nights and 0 captures (in June? or July?). The road to Jacobacci was cut, first by snow, then by bridges washed out.

Two students came by. Daniel Gordone One working under Rapoport, Gabriel Lopardo, has finished a report on howler monkey behavior. The other is studying birds at Laguna de los Juncos (Estación Perito Moreno). Our rich mouse habitat in arroyo La Fragua has been bulldozed for the gas pipe line.

nov. 2 Day cool, scattered clouds + sun. Visited the new Fundación Bariloche office (Isabel Gallopín and Miguel Gron) in the former Hotel Rodas. Someone stole their Apple computer.

Drove to Lago Mascardi to photo *Berberis darwinii* in full bloom. Saw about 5 isolated bamboo plants along the east side of the lake. Another *Berberis* (fragrant) in bloom also.

At lunch with Hilda Rumboll yesterday, she mentioned that in England in July, hedgerows of bamboo were dead, and that there was a notable abundance of mice.

At 7 p.m. went to a talk by Claudio Chehebar on the status of mink in Argentina. He estimates a rate of advance of only 10 km per year. Not yet overlapping otter (mink are in Rio Manso; Otter in Nahuel

H. rossi). mink's principal diet is mice, they have not yet found coipu in feces.

Nov. 3 Day cloudless, calm. Went up Cerro Otto to Piedras Blancas. Lots of snowbanks thereabout; lenga leafing out. The row of Doug firs, 1 ft. DBH, along the road at the lower meadow had all fallen (except one), snow? wind?. Walked along Javier's trap path. Lots of snow, the bamboo still struggling up through it. The lengas beginning to leaf out. a few earth cores in open meadows, but this is not an amancay area. Saw no "edible" bamboo shoots, but lots of clumps had a few tall leafless culms with sheaths. We chose a discrete clump in a meadow and spent several hours tallying culms and measuring diameters and internode distances. Some big canes had been broken by the snow. Dinner with Gallopins.

Nov. 4 Morning cloudy turning to rain at noon. Finished measuring the bamboo clump on Cerro Otto. clump A. The clump contained ~~274~~ ~~culms~~ 267 yellow (old) culms, 25 green-with-culm-sheath, 5 red-stalk-no-leaves-1st yr, 14 broken culms, and 73 dead culms; no "edible" shoots but 2 old dead "edible" type shoots, also 1 red-but-leaves-out-no culm-sheaths. Total 387 culms including 75 dead. 3 random subsamples had internode diameters 2 ft aboveground of 10.9 to 24.0 m m, mode 19 m.

Nearby were the remains of old dead clumps, very short stubs sticking up aboveground and big old grey weathered canes scattered about. Picked up 4 big pieces, and the internode

diameters were larger than any of the living canes. Are these left over from the previous flowering? This would fit with Hueckufan's statement that the canes were larger at the time of the last flowering. av. diam. of random 53 canes = 19.4 mm.

Lots of sign of rodent digging activity under the snow, especially around bushes such as Berberis. Dirt heaped up there, and along fallen logs. Probably tucas and Chelemys.

Sky clear by 9 PM.

Nov. 5. Day cloudy or scattered clouds. Drove out to Estancia El Condor with Anita + Claudio Silingardi and his girl friend and looked for Reithrodon. Went to the field where they had been abundant a few years ago and saw no holes or droppings. Then searched various other fields and found only a few holes and a few droppings. Saw several hares, beef cattle, no sheep. Three owl pellets along a fence contained Eligmo + Akodon but no Reithro.

Abel + Marta Basti came for dinner, and then Javier Perez + Graciela dropped in. Abel + Marta have a precious manuscript on the history and life style of the pobladores in the Park at Rio Vallegas. Also a manuscript on the pudus at Isla Victoria.

Nov. 6 Morning mostly clear, then scattered clouds. Warmer, not windy. Javier Perez came in the morning to talk about his Cerro Otto mouse data, then we left at 3:45 to look for Reithrodon. Stopped at our campsite at Estancia San Ramon where we had seen Reithro 2 yrs

([illegible])

Pellets collected October 1984 at Laguna de los Juncos
by Gabriel Lafardo and Daniel Gordone

Lote N° 1

most of them small, perhaps asio flammeus

① akodon longipilis
② akodon longipilis
akodon xantho
③ Liebre
④ 1 Eligmodonta
1 akodon longipilis
1 akodon xantho
⑤ 1 auliscomys
⑥ 1 ako longi
⑦ 1 oryzomys
1 ako longi
⑧ 1 auliscomys
⑨ 1 Reithro
1 ako xantho
⑩ 1 Reithro
⑪ 1 Reithro
⑫ 1 aulisco
⑬ 1 aulisco
1 Oryzomys
⑭ 1 Reithro
⑮ 1 Ctenomys
⑯ aulisco
⑰ 1 Reithro
1 ako longi
1 ako xantho
⑱ 1 Phyllotis
1 ako xantho
⑲ 1 Eligmo
1 ako longi
⑳ 1 aulisco
㉑ 1 Reithro
㉒ 1 Reithro
㉓ 1 Reithro
㉔ 2 aulisco
㉕ 1 Ctenomys
㉖ 2 ako xantho
*
㉗ 1 Reithro
㉘ 1 Reithro
㉙ 1 Reithro
㉚ 1 Reithro
㉛ 1 ako longi
㉜ 1 Reithro
1 Oryzomys
1 ako. xantho
㉝ 2 ako longi
1 Eligmo
㉞ 1 Reithro
㉟ 1 aulisco
1 Reithro
㊱ 1 Ctenomys
㊲ 1 Reithro
㊳ 1 ako longi.
㊴ 2 ako longi
1 Eligmo
㊵ 1 ako longi

Totals:	complete pellets		Partial pellets (fragment page)	
Reithrodon	~~||||~~ ~~||||~~ ~~||||~~ |	= 16	21	37
aulisco	~~||||~~ ||||	= 9	19	28
Ctenomys	|||	= 3	7	10
ako. longi	~~||||~~ ~~||||~~ ||||	= 19	6	25
ako xantho	~~||||~~ |||	= 8	4	12
Eligmo.	||||	= 4	4	8
Oryzomys	|||	= 3	3	6
Bird		= 0	1	
Chelemys		= 0	1	
Phyllotis	|	= 1	1	1
Hare	|	= 1	0	
		64		170

Partial pellets, Set 1

Reithrodon 𝍸 𝍸 𝍸 𝍸 | = 21
auliscomys 𝍸 𝍸 |||| = 19
ctenomys 𝍸 || = 7
akodon longi 𝍸 | = 6
akodon pantho |||| = 4
Eligmodontia |||| = 4
Oryzomys ||| = 3
Bird | = 1
chelemys | = 1
Phyllotis | = 1

(Lote 2) Pellets collected at Laguna de los Juncos
by Gabriel Gallardo + Daniel Gordone, Oct. 1984

① 1 ako xantho
(2) 2 ako xantho
(3) 1 ako longi
1 ako longi
(4) 5 Eligmo

= ako longi 2
ako xantho 3
Eligmo 5
Large bird 1

(~~5~~) (Lote # 3)

(1) 1 auliscomys
(2) 1 aulisco
1 ako longi
(3) 1 ako xantho
1 Euneomys
(4) 1 Eligmodontia
1 ako xantho,
(5) 1 Chelemys
1 Reithrodon
(6) 1 Eligmo
(7) 1 ako longi
(8) 1 aulisco
(9) 1 Eligmo
1 aulisco
(10) 1 ako longi
(11) 1 baby hare
1 aulisco
(12) 1 ako longi
(13) 1 Euneomys juv.
(14) 1 Reithro
(15) 1 ako longi
1 ako xantho
(16) 1 aulisco
1 Oryzomys.
(17) 1 ako longi
(18) 2 ako longi.
(19) 2 ako longi •
(20) 1 ako longi
1 Phyllotis.
(21) 1 ako longi
(22) 2 ako longi

(23) 1 ako longi.
1 aulisco
(24) 1 Eligmo
(25) 1 Reithro
(26) 1 Reithro
(27) 1 aulisco
1 Eligmo
(28) 1 aulisco
1 Reithro
(29) 1 aulisco
(30) 1 Oryzomys
(31) 1 ako xantho
(32) 1 aulisco
2 ako longi
(33) 1 aulisco juv
(34) 1 Reithro

see next page for summary

Site 3 summary (Collected October, 1984)

Complete Pellets		Partial Pellets		Total
Reithrodon 𝍸 |	= 6	𝍸	= 5	11
aulisco 𝍸 𝍸 ||	= 12	||	= 2	14
Ctenomys	= 0	|	= 1	1
ako longi 𝍸 𝍸 𝍸 ||	= 17	|	= 1	18
ako pantha ||||	= 4	||	= 2	6
Eligmo 𝍸	= 5	||	= 2	7
Oryzomys ||	= 2		= 0	2
Bird	= 0		= 0	0
Chelemys |	= 1		= 0	1
Phyllotis |	= 1		= 0	1
Hare |	= 1		= 0	1
Euneomys ||	= 2	|||	= 3	5
				67

Pellets collected Nov. 7 at Laguna de los Juncos by Gordon et al

	Site #1	morro aguilar	morro norte	Σ
Reithrodon	1	3	13	17
auliscomys	0	4	19	23
Ctenomys	0	1	11	12
akodon longi.	0	3	13	16
akodon pantha.	0	1	4	5
Eligmodontia	2	0	11	13
Oryzomys	0	1	4	5
Bird	0	0	0	0
Chelemys	0	0	2	2
Phyllotis	0	0	2	2
Hare	0	0	0	0
Euneomys	0	0	3	3
				98

Note Species Diversity Index!

ago, but found no sign there, and none at Est Perito moreno (Laguna de los juncos). While there an INTA truck went by with adrian. He had been trapping at Pilcaniyeu and said that after many hundreds of trap nights at his grids in July, Aug, Sept, Oct, and now (7 days), he had caught nothing.

I set 15 cagetraps in low brush + weed habitat along the RR track a few hundred yards east of the lake. Saw no Reithrodon droppings, but habitat looked good. Baited with dandelion, oats, apple,

Then drove about 2 miles east of the lake, and camped between the RR and the road. Here there is lush green grass and <u>lots</u> of <u>Reithro</u> droppings and holes. I set about 5 Shermans and 8 new Reithro traps. Anita set 1 steel and 40 MS. She caught a juvenile Reithro at 8:20 while it was still quite light. mostly cloudy at dusk, with distant lightning. Almost no wind; almost full moon.

Ran traps shortly after dark: 2 <u>Akodon</u> <u>longi</u> in snaptraps, no Reithros.

nov. 7 Estacion Perito moreno. Ran traps at 1 a.m, thin clouds, bright moonlight. Nothing in traps, saw no mice. at dawn, ice on windshield, very light frost on grass, but many of the new traps frozen. Nothing in them. 2 more Akho longi in snaptraps + 4 sprung empty. In the 15 cage traps along the RR at the lake, caught 3 adult <u>Akho.</u> <u>longi</u>. about 15 condors sunning on the cliff. Returned to

Bariloche 9 a.m.

Owl pellet from near the lake = 1 auliscomys.

In the afternoon drove out to the Llao Llao Peninsula and measured bamboo in a flat pure-bamboo area 18 yards short of the well on the trail that starts just before Lago Escondido. Chucaos singing all around. No herb vegetation, one big coihue about 40 ft. away. This clump (B1) had no red leafless canes from last season but did have 3 new shoots. Numerous other shoots 2, 3 or 4 ft tall with the sheathed tips dead. Other clumps nearby had red leafless shoots. One clump nearby had a shoot 28.1 mm diam at the base. From the presence of a well and rosa mosqueta, I guess this area must have been cleared at one time. No coihue or cipres seedlings.

Nov. 8 Morning clear. Drove to Rio Villegas to visit Abel & Marta Basti. After lunch drove down the Rio Manso on the south side to the Rio Foyel, then walked over the hanging bridge and down the valley for maybe a km, or two. A dam is being planned for this valley. The Park is on the north side of the river, but impossible to cross to visit the pobladores as we had hoped. Abel's research shows fewer people and fewer animals in the Park than years ago. The original park settlers came from Chile about 1903. Most of the heads of households now are women.

Nov. 9 Partly cloudy, sprinkles of rain. Went for a horseback ride with Anita and Huenchupan up the valley to the Pampa de Toros, over the 1st ridge to the east, then back past Mallín Redondo and Puesto

Retamo. This consists of 2 tall posts (all that's left of a rancho or house) in a ½-acre clearing. There was surely a bigger clearing here years ago. Now it is a sea of ñire, caña, and retamo. On our 3½-hour ride covering at least 500 m of elevation and different slopes, we saw only a few coihues and arrayans. All the lambs are skinny. The big fire in the 1920s must have made a big difference, and Rogel was probably right when he said ~~there~~ used to be many more people in this area.

Huenchupan pointed out a puma track; not very convincing. Home 5:30 p.m. Berberis darwinii and apple trees still in full bloom.

Nov. 10 Morning clear (Bariloche). Michael Christie visited last night (he is moving) and brought Ellen Pederson's field notes. She set 50 small snap traps at the Hipodromo on June 20, clear, cold, various cm. of snow, baited with oats and corn meal. Night was cold + frosty, and about 15 traps were frozen, the others caught 7 Oryz., 1 Abro. oliv., and 1 bird (Aphrastura). No Elgino.

On July 1 she trapped Cerro Leones with ~~[illegible]~~ 70 small snap traps, from the road up to the owl cave and then along the cliff. Cold and windy. This was 1 week after the big snow, but the snow had melted. She ran traps on July 1 (1 Abro. xantho, 1 Elgina on the transect perpendicular to the cliff and 4 Phyllotis along the cliff. On July 3: 1 Abro. xantho and 1 Elgino on transect plus 2 Abro. longi. at base of cliff.

Left at 3:30 for Estancia Punta Moreno with Gabriel Fajardo, Daniel Gordon, Claudio , his girl friend the geologist, and José . . . . Set ~~4~~ 2 Shermans and 22 MS across the steppe east of the lake to the RR, along the RR, then back to the road. Also about 15 traps along the edge of the lake near the willows. Grass short, almost no tules.

Then drove 2 km E to our campsite and set about 9 cage traps and 5 new Reithro traps, all set for Reithro; lots of holes + droppings. Excavated 3 burrows, but found only 1 nest. Each burrow 3 or 4 meters long. While setting a trap near one of ~~the~~ excavations, a juvenile Reithro tried to run down the hole I was setting it. Grabbed it.*

The owner of the Estancia (La Fragua) came by: Sr. Marful. Friendly.

about 8 pm, broad daylight. Same hole where Anita trapped one earlier this week.

Caught another Reithro before 10 (see species account) and another before 1 a.m. While spotlighting at 10 pm, followed a skunk for about 50 yards while it dug little holes along the RR embankment. Night clear, about 2 hrs of dark before the moon came up. No wind

Nov. 11 Morning clear. Considerable frost, cup of water in car froze. Nothing more in the Reithro traps. Then drove back to the lake and picked up traps. 5 Akodon longi. across the meadow + RR, nothing along the lake. No condors. Sr. Marful said some guanacos survived the winter but no Calif. quail. We did see quail a few days ago near the Estancia San Ramon entrance

Visited Hilda Rumboll in evening.

nov 12 Sunny warm all day. I rode up Cerro Otto, re-measured some of Bamboo Clump A1, made a count of yearling culms along 90 yards of trail, then measured another clump A2 growing right up against a 14-inch lenga. Transplanted 2 clumps of rhizomes to the backyard. One of them with a nice big white shoot still underground. Saw no new shoots in the wild. A few small patches of snow still.

nov. 13 Sunny all day + warm. Visit from the Gallopins and Adrian Monjeau and wife. Looked for Reithro sign at the marsh at Estancia Tehuel Malal; very little sign. Took photos of the valley at Est. Tehuel Malal.

nov. 14 Sunny, nice clouds. Pellets etc (see Reithrodon). Otto in evening for bamboo samples and photos.

nov. 15 Sunny. Anita went bambooing. I did pellets ~~and worked on~~ then to Pampa ~~speech~~ Huemules looking for Reithro. Good holes, few droppings.

nov. 16 Sunny. Anita went bambooing with Isabel Gallopin. I worked on my speech.

nov. 19 – To cueva Trafal + Cullin Manzano; 5 two traps along road caught nothing. Bird in cave.

nov. 20 To Puerto Blest with Anita, Peter, Karen, + Justin. Beautiful big clumps of bamboo all in flower at the edge of the meadow near the Camp ground. The flowers dark purple, the culms already looking a little bit dead. There were yearling culms + with blooms. Saw no new shoots, although they were found on various other clumps.

On the walk to El Abuelo we counted 6 blooming clumps. There were yearling shoots as well as new new shoots on

some or most of these 6 clumps, the yearling culms seem to be taller than the old culms.

Chose a clump of bamboo on the grid (~~B2~~ 5B) near a big coihue and measured all culms etc. Had numerous yearling culms and new shoots including some not yet above ground.

The bamboo along the steps up to Lago Cántaros are all scrawny sparse, those along the trail between Blest + Cántaros are robust. much greater tree diversity along that trail (Saxegothea, alerces, a white-blossomed broadleaf, etc) than on our grid. Saw a dozen or two noisy parrots, but only in tree tops. Park Guard Horacio Pelosa says he doesn't see them feeding or on the ground. Some drizzle.

Nov. 21 Overnight in the hotel, then more bambooing, especially along the trail to Cantaros. at one place saw a half-dozen small bamboo plants that look like "seedlings" a couple of years old; one small yearling sprout, a clump of several-years-dead bamboo nearby. Photoed the dead clump at the Correo rasberry patch; still conspicuous, the culms greying but hard. No blooming clumps along the Cantaros trail.

While walking back from the grid with Horacio, he spotted a Darwin's frog crossing the road. I couldn't make it float belly-up. Horacio says he has not seen Pudus here but he found one killed by a puma and puma scats with pudu hooves. The administrator of the hotel is Sr. Pancho. Some drizzle.

Nov. 23 Bariloche. Lectured on South American desert mice to my groupies and Prof Rapoport.

Nov. 24 Left at 11 p.m. for La Veranada. No signs of flowering of bamboo. Many recently dead + dried clumps. Others with yearling culms. No shoots yet, but they can be found below ground by digging. Lots of signs of digging and tunneling by tucos and/or Chelemys. Set 8 Reithro traps at open holes in green-grass meadows baited with sunflower seed and cheese. Measured one clumps of scrubby bamboo. Saw 1 tuco (?) briefly, heard none. Saw no Reithro droppings. Accompanied by Anita, Peter, Karen, + Justin. The ñire is pretty well leafed out and in bloom.

Nov. 25 Evening mostly cloudy. Morning drizzly, not cold. The 8 traps held 1 Auliscomys adult. Since they were set over the holes and could be entered only from below, the Auliscomys must have been using the galleries. It ate dandelion flowers immediately, did not eat cheese.

No recent wild pig damage, no recent horse droppings, little evidence of recent grazing on the bamboo. Fallen limbs in the lenga forest squashed lots of bamboo across the trail.

Nov. 26 Clear + warm. Collected owl pellets at the cliff at Tehuel Malal.

Nov. 27 Partly cloudy. Left at 10 a.m. for Rio Castaño Overo, arrived at our old campsite 12:30. River relatively low. 4 species of Berberis in full bloom. Heavy browsing on bamboo by horses, both near the campsite and up on the hill at our grid. The horse droppings not fresh.

Pearson
1984

Owl pellets from the cliff at Tehuel malal, nov. 26

(1) 2 adult Oryz ✓
(2) 2 yg aulisco ✓
(3) 1 ad aulisco
1 ad akо longi ✓
(4) 1 old Oryz ✓
(5) 1 ad Oryz ✓
(6) 2 ad Oryz ✓
(7) 1 old Oryz ✓
(8) 1 ako longi yg
2 aulisco juv.
2 Oryzomys yg ad
(9) 1 bird ✓
(10) 1 ad Oryzomys ✓
1 yg Reithro
(11) 1 old Reithro ✓
(12) 1 juv. Reithro ✓
(13) 1 old aulisco ✓
(14) 1 ako longi old ✓
(15) 1 ad Oryz ✓
(16) 2 yg aulisco ✓
(17) 1 old Oryz
1 ad aulisco ✓
(18) 2 ad, Oryz ✓
(19) 2 ad. aulisco ✓
(20) 1 ad Oryzo ✓
(21) 1 ad Oryzo ✓
(22) 2 ad Oryzo ✓
(23) 1 ad aulisco ✓
(24) 1 ad aulisco ✓
(25) 1 ad Oryz
1 ad Irenomys ✓
(26) 2 young Reithro ✓
1 juv aulisco
1 ad Oryz ✓

(27) 1 old aulisco ✓
(28) 2 ad Oryzo ✓
(29) 2 ad Oryzo
1 juv, ako longi ✓
(30) 1 old Oryz ✓
(31) 1 yg ad. aulisco ✓
(32) 1 old aulisco
1 ad ako longi ✓
(33) 1 ad Oryz
1 ad Chelemys ✓
(34) 1 ad Reithro ✓
(35) 1 ad Oryz
1 yg ad aulisco ✓
(36) 4 yg ad aulisco ✓ 4
(37) 1 old aulisco
2 ad Reithro ✓
(38) 1 ad ako longi
1 yg ad aulisco ✓
(39) 1 ad aulisco ✓
(40) 1 ad Oryz
1 yg aulisco ✓
(41) 1 old ako longi
1 juv aulisco ✓ 4
1 juv Irenomys
1 juv. Oryzomys
(42) 2 ad. ako longi. ✓
(43) 2 ad ako longi ✓ 4
2 juv, Oryz.
(44) 1 old aulisco ✓
(45) 1 ad aulisco
1 juv. Oryz ✓
(46) 1 ad aulisco
1 juv ako longi ✓
(47) 1 ~~ad~~ ako longi ✓
(48) 1 ad ako longi
1 juv Oryz ✓
(49) 2 yg ad aulisco ✓
(50) 1 old old aulisco ✓
(51) 1 yg ad aulisco ✓

Pearson
1984

54

Owl pellets from Tehuel malal (cont.)

(52) 1 old old Chelemys ✓

(53) 1 juv Irenomys }
1 ad Irenomys } sic! ✓

(54) 1 ad Irenomys ✓

(55) 1 ad Chelemys ✓

(56) 1 bird
1 Oryz adult ✓

(57) 2 ad Oryz ✓

(58) 1 ad aulisco
1 ad Oryz ✓

(59) 1 ad Oryz ✓
1 ad abo longi

(60) 1 old aulisco ✓
1 ad abo longi

(61) 1 ad abo longi ✓
1 ad Oryz.

(62) 1 ad aulisco ✓
2 abo longi (1 ad 1 yg)

(63) 1 ad aulisco ✓
2 juv. auliso

(64) 1 old abo longi
1 yg " " ✓
1 juv. aulisco

(65) 1 ad abo longi ✓
1 juv aulisco

(66) 2 ad abo longi ✓

(67) 2 old aulisco
1 ad Oryzo ✓

(68) 2 ad abo longi ✓

(69) 1 juv Reithro
1 yg abo longi ✓
1 yg Oryzomys }.

(70) 1 ad Oryzo ✓

(71) 1 ad Oryz
1 old abo longi ✓
1 juv Reithro

(72) 1 old abo longi
1 ad aulisco. ✓
1 juv aulisco

(73) 3 ad abo longi ✓

(74) 1 yg Reithrodon ✓

(75) 1 old Reithro
1 yg aulisco ✓

(76) 2 ad Oryz
1 old abo longi ✓

(77) 2 ad Oryz ✓

(78) 1 ad Oryz ✓

(79) 1 juv Irenomys ✓
2 ad Oryz

(80) 1 ad abo. longi
1 ad Reithro ✓

(81) 2 yg ad aulisco ✓

(82) 1 ad aulisco
1 old abo longi ✓

(83) 1 ad aulisco ✓

(84) 1 ad Reithro
1 old Oryzo
2 abo longi (1 ad, 1 juv). ✓ 4

(85) 3 ad, Oryzo ✓

(86) 1 ad aulisco ✓

(87) 1 ad abo longi
2 young aulisco ✓

(88) 1 old aulisco ✓

(89) 1 ad aulisco
1 ad abo longi ✓

(90) 2 ad aulisco ✓

(91) 1 yg ad Reithro
1 ad abo longi ✓
1 juv Oryz

(92) 1 ad Oryz
1 ad abo longi ✓

(93) 1 ad Irenomys ✓

(94) 1 ad Oryz ✓
3 juv aulisco (fetus?) 4

(95) 3 Oryz (2 ad + 1 juv) ✓

(96) big bird ✓

(97) 1 old Oryz ✓

(98) 1 ad Oryz ✓
2 ad abo longi

(99) 3 Oryz (1 old, 1 ad, 1 juv) ✓

(100) 1 Reithro yg ✓
1 Oryz adult

(101) 1 old aulisco ✓

(102) 1 ad Oryz
1 ad abo longi ✓

Pearson
1984

Owl pellets from the cliff at Tehuel motel nov. 26
(cont.)

(103) 1 ad abo longi
1 ad Irenomys ✓

(104) 3 juv aulisco ✓

(105) 1 yg abo longi
1 yg Irenomys ✓

(106) 1 yg ad aulisco ✓

(107) 1 aulisco young
1 Oryzo ad, ✓

(108) 1 ad Oryzo ✓

(109) 1 ad Reithro
1 ad aulisco ✓

(110) 1 ad Oryzo ✓

Summary of whole pellets

Oryzomys	70
aulisomys	68
abo longi	46
Reithro	17
Irenomys	9
Chelemys	3
Bird	3
	216

PARTIAL PELLETS;

		TOTAL
Oryzomys 𝍸 𝍸 𝍸 𝍸 𝍸 |	= 26	96
o		
✓ aulisomys 𝍸 𝍸 𝍸 𝍸 ||	= 22	90
abo longi 𝍸 𝍸 𝍸 𝍸	= 20	66
Reithro 𝍸 𝍸 ||	= 12	29
Irenomys |	= 1	10
Chelemys |||	= 3	6
Bird. |	= 1	4
Geoxus ||	= 2	2
	87	303

at 5 pm I put 10 cage traps baited with apple & sunflower seeds along logs at one of my old sites (and found one Sherman with a Geoxus skeleton in it). Nothing in the traps at 8 pm. See bamboo species account.

Nov. 28. Day mostly cloudy. My traps with 2 adult abro longi. Released them. Anita caught 1 ad. abro longi during the day.

Measured a bamboo clump in the morning, then drove to Tronador. Scattered showers; summit never clear. Back to camp at 3:30. Photos of bamboo and measured leaves of bamboo. Almost all the bamboo on the south side of the Castaño Overo has small leaves, even if the canes are tall. In the fuchsia forest on the hill above the south end of the bridge we found one clump of tall canes with leaves much longer and wider than the others. Branches much longer also. Saw a night heron along the stream yesterday.

Nov. 29 Morning cloudy - drizzly. My 11 traps held 4 big adult abro longi and 1 big Auliscomys. Anita's 5 were empty.

Started raining more seriously about noon, so broke camp, drove to Ventisquero negro and waited 'til one-way traffic at 3. A little snow mixed with heavy rain. Home 5:30 p.m.

Dec. 1 Scattered clouds, cold, windy. Measured bamboo at Llao-Llao. Lots of new shoots. Tall shoots grow faster than when they were short.

Dec. 2 Scattered clouds, cool, windy. At 10 went to Estacion Perito Moreno and hiked up to the condor cliff. Saw a pair of

aguiluchos there, and black vultures, and condors. Three guys with a gun were shooting at the condors flying overhead. We were trapped several hours at the lake by a road race; dozens of cars parked at the lake to watch.

Dec 3 Bariloche - Partly cloudy, windy. Drove up to Refugio Neumeyer and walked up to the first lake. Lots of snow banks beginning at the level of the Refugio, a few llao-llao, oodles of earth cores, open ditch runways, and churned up earth along logs + under leaning trees. It must have been a great winter for mice under the snow.

My photoed amancay patch is still full of amancay shoots, no earth cores, a branch fallen on it. Lots of other fallen trees and branches. Numerous piles of stacked firewood* along the road. Road poor; saw nobody. Lenga blossoms on snow.

Peter + Karen climbed up toward Cerro Blanco and on the open slope saw tuco-like diggings or burrows.

Anita set 3 cage traps at 11:30, baited with apple and rolled oats, in a big wood pile at the end of the road where we park our car. Pure lenga, open-floor forest. At 3:30 there were 3 Chelemys.

Skiers had tied ribbons in the trees; ~~the~~ snow must have been 8 feet or more deep.

Dec 5 At 5 pm drove out to the Pampa de Huenuleo and hunted for Reithrodon holes. Daisies just beginning to bloom, dandelions done. Found lots of Reithro holes but very few droppings. Set 8 Reithro traps and 15 cage traps.

Partly cloudy, no wind.

Dec. 6 Pampa de Huenuleo. Ran traps at 10 pm, 12 pm, and 6:30 a.m. none touched. Jacklighted for about ½ mile at midnight, saw nothing. Night mostly clear, moon almost full, touch of frost.

Day sunny, little wind. Between 4 and 6 pm put traps across flank of *Cerro Leones* and along bottom of the cliff. I put 10 cagetraps + apple, 38 big Shermans + oats, and 38 MS + corn meal; 3/4s of them along the cliff, the rest across the "steppe". Vegetation includes Baccharis, flowering palo piche, and flowering Colletia. Calceolaria in flower. Anita put ~~50~~ 35 Shermans and 34 MS across the lower slopes.

Looked for owl pellets but found no new ones and saw no owls. Vultures over the pig farm. Vegetation on the slopes of Cerro Leones quite green + lush.

Dec 7 Day cool, clear. Picked up traps at 8 a.m. About 20 traps had been stolen from my line and from Anita's, so her line ended up with 28 MS and 28 Shermans. My line with 7 cages, 33 Shermans and 34 MS. My line held 1 dead *Phyllotis* (MS) and 4 live *Phyllotis* (Shermans), one of them a juvenile of about 25 g. Anita's line held 2 live *Abro* xantho and 4 dead × The *Phyllotis* was a 50-g breed. ♂.

Asked about traps at nearby houses and at a school near the RR station (Ñirihua?).

Revisited our bamboo clumps on Cerro Otto. New shoots just emerging, yearling shoots beginning to leaf out. One or two

measured clumps are very dense (culms closely spaced), the culms quite fat.

Drove to Lago Mascardi 7 to 8:30 pm for photo, but cloudy in wrong places.

Dec. 8 Bariloche. Cool, windy, clear. At 2 pm flew over Lago Traful in a small Cessna and took photos to compare vegetation. Very windy + bumpy. Was too busy taking photos to [illegible] make a vegetation comparison, but did notice that some patches of lenga [illegible] high were almost identical with photo 40 yrs ago. Blooming Colletia was quite conspicuous.

Visited Hilda Rammold at 4:30; dinner with Gallopin.

Dec 9 To Comallo with Adrian at noon. Set 64 Shermans on each of his 3 grids; Campo Fistulados, Yanquimil, y Puesto Blanco. 8×8 grids, 10-meter spacing. Stillingia on the heavily-grazed Yanquimil but not in the other ~~two~~. Anita put 10 Sherman and 30 MS in similar habitat, and lower down in a mallín she put 30 MS and 1 steel trap.

Then drove to the canyon behind Ramon's house on the Navarro ranch and camped. Anita put 30 MS in bushy steppe (lush) and 2 steel traps. I put 15 coyote traps baited with

Camped there near boulders and cliffs in the quebrada (duraznillo, cola de piche, big bushes) and Adrian put 16 Shermans nearby.

Before dark Anita had caught one microcavia in a steel trap and 1 Abro. xantho. Evening calm

Dec 10 Morning overcast, my cage traps in the canyon held one adult Phyllotis (released) and one Abro. longi. Adrian's 16 Shermans held 2 Abro. longi and 1 old Phyllotis. Anita's traps around camp held 1 adult Reithro (steel trap in bushy steppe near the guina (fig of yesterday)), Abro longi, and Abro xantho. [Total catch to 4:20 8 xantho, 1 Reithro, 1 Cteno, 1 microcavia 3 Phyllotis, 5 Abro longi]

Then we drove to Adrian's three grids: no traps touched except one by horses. Saw a big brown caterpillar on Stillingia. Probably a vizcacha in the canyon. And a pair of peregrine-like hawks in the canyon.

When the Stillingia is burned, it root-sprouts and produces quite large leaves. Some Stillingia plants are bearing new blossoms as well as full-sized (but green) fruits. Perhaps it takes 2 years to mature the seeds. The green fruits were slightly picante.

At 4 checked the 3 grids: nothing. Saw the rugose black beetle eating a small white 5-petaled flower. Also a skunk on one of the grids. Mr Navarro, owner of our campsite, says there are lots of red foxes, not ~~many~~ grey. Didn't seem to know of any marsupials.

At 7:30 rebaited my 14 cage traps with apple. Anita

put 31 MS and 8 ~~steel~~ traps up in the quebrada among boulders and lots of duraznillo, cola de piche, etc. She also has 4 steel traps and 13 MS around camp. I have near camp 2 steel traps and 2 Shermans (In the middle of big 6-foot-diam. cola de piche clumps where it looks like guinea pigs and Abrothrix are active.

Dec. 11 Night mostly overcast, and morning. My traps had nothing. Anita's around camp nothing; up in the quebrada she caught 1 Phyllotis, 2 Abro longi, and 1 Abro xantho. Adrian caught 3 Abro longi in the quebrada. Broke camp and went to the 3 grids: nothing. Near the mallin Anita caught one more baby tuco and an Abro xantho. Everything seems to be breeding.

The locality called Puesto Blanco is the mallin south of the corner of INTA's Campo de las Fistaladas and Yanquimil.

Summary: The steppe vegetation is green and full of flowers. Even the "heavily grazed" Yanquimil property contains Gramineae with leaves and heads. But maybe the severe winter killed off most of the sheep. Horses are still present. Saw no sheep and everybody says they died. Saw one sheep carcass. It is uncanny to run the 3 grids for 2 nights (= 64 × 3 × 2 = 384 trap nights) and have not a trap touched (except a few rolled over by wind and horses). In the much bushier area on the [illegible] grade, the denseness of the bushes may have sheltered considerable area from the snow + ice. But we still have not caught a single Eligmodontia or

Horned Owl pellets from 10 km [illegible] collected Dec 10, 1984, from a cliff not collected earlier

(1) 3 Eligmo
1 abro xanthro (juv)
(2) 1 juv Reithro
1 ad Eligmo
(3) 1 yg Reithro
1 yg Phyllotis
(4) 1 ad Eligmo
1 Ctenomys
(5) 1 abro. longi.
(6) 2 Eligmo
(7) 1 Eligmo
1 ad abro xanthro
(8) 2 old Eligmo
(9) 1 marsupial
(10) 1 microcavia
(11) 1 Euneomys
(12) 1 Ctenomys
1 Ctenomys
(13) 1 old Eligmo
1 Ctenomys
(14) 1 juv Reithro
(15) 1 Ctenomys
(16) 1 abro xanthro
17 1 Ctenomys
(18) 1 ad. Reithro
(19) 1 yg Reithro
1 old Eligmo
(20) 1 ad abro xanthro
(21) 1 ad Reithro
(22) 1 Ctenomys
(23) 1 ad Phyllotis
24 1 bird
(25) 1 bird
1 bird
1 Ctenomys
(26) 1 Eligmo

(27) 1 Ctenomys
(28) 1 Phyllotis
1 bird
(29) 2 Eligmo
1 Reithro
1 abro longi
(30) 1 abro xanthro
1 abro xanthro
[(31) 1 Reithro] more or less intact pellets

		more intact pellets	scraps	Total
Eligmo	卌 卌 卌	15	卌 11	22
abro xanthro	卌 1	6	1	7
Reithro	卌 111	8	卌	13
Phyllotis	111	3	111	6
Ctenomys	卌 1111	9	卌 1111	18
abro longi	11	2	1111	6
(Lesto) marsupial	1	1	111 Lesto	4
microcavia	1	1	11	3
Euneomys	1	1	1	2
bird	1111	4	–	4
		52		35

Width across both upper incisors:
Ctenomys: 2.90, 2.77, 3.04, 2.65, 2.73,
2.88, 3.10, 2.52, 2.72,

note absence of Oryzomys, Notiomys, darwinii, Graomys, Auliscomys. Some of the pellets with a bird also contained [illegible] Eligmodontia. From the age composition, the pellets were probably deposited in Dec - Jan a year ago.

Pearson
1984

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Pellets collected by Adrian Monjeau at
10 km WSW Comallo, Rio Negro = "Comallo [illegible]"

August, 1984:

① 1 old Euneomys cranium

② 2 adult Eligmo

③ 1 bird
1 juv. Reithro

④ 1 ad Reithro
1 old Euneomys, 2 mandibles.

Late September, 1984

① 3 Eligmo (not adult)

② 1 Phyllotis
1 ad Eligmo
1 ako xantho

③ 4 ad Eligmo,

④ 3 ad Eligmo

⑤ 2 ad Eligmo

⑥ 1 ad Eligmo

⑦ 1 Ctenomys

Eunco	2
Eligmo	23
Reithro	2
Phyllotis	1
Cteno	1
xantho	3
bird	1
	33

1st week of November, 1984

① 3 ad Eligmo
1 ad Ako. xantho.

② 4 ad. Eligmo
1 ad. Ako. xantho

on this trip (Oct. 31 to present).

Home 2:30 after stopping at Cerro [illegible] to inquire about stolen traps.

Dec 12 Cool, scattered clouds, windy. To [illegible] in morning with [illegible] [illegible] + AKT to measure [illegible]. Many or most new shoots are now parasitized. Maybe the synchronous [illegible] [illegible] is a strategy to beat the parasites?

Dec 13 To Cerro Lowe at sunrise for precordillera steppe photos and to look for missing traps at the school. No traps. The south base of Cerro Lowe was a sea of red-brown *Polygonum* (*Rumex*). Lots of *Calceolaria* blooming, *Senecio* not yet, Palo Piche in full bloom,

Day sunny. Most of day with [illegible], then to Javier Bellati's home with [illegible] [illegible] [illegible], floor, countertops. Adrian says the steppe was under snow continuously for 3 months. Daniel Gordon says there is now a notable scarcity of aquatic birds at Estancia Punta Marina and of other birds in areas such as [illegible] and Cortaderas. The aquatic birds with nests had very few eggs. The juncos, tules, are almost wiped out, but we saw a [illegible] nest. Even in October there were temperatures (in [illegible]) down to −6°C.

Dec. 14 Clear.

O.P. Pearson
1984 (fall)

Species Accounts

Argentina

Pearson
1984

Akodon longipilis

nov. 7. Estacion Perito moreno.

♀ 168×68×22×15 45 g. Lactating, ut. scars. Ovaries huge, large pink CL. no green in stomach

♀ 167×64×22×15 36 g. Lactating. Ut. just gave birth. Ovaries huge, white foam & pink CL

♂ 165×66×22½×14½ 42 g. testes 10, SV 19. ~~Stomach~~ no green earth worms?

nov. 11 Estacion Perito moreno – caught 5, (72 traps), all in Shermans, all adult males,

Dec. 11 a female from Perito moreno kept captive since nov. 7 to test delayed implantation did not give birth and when sacrificed Dec. 11 had no fetuses and no large pink corpora lutea. Uterus was pink, 3 mm diam., vagina very tough. Ovaries, uterus, & other viscera surrounded by fat.

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1984

6F

Akodon xanthorhinus

RIO NEGRO

Cerro Leones, Dec. 7, 1984:

84-200 Ako, xantho. ♀ 117×46×19×13 12½g. Vagina open sm., vt 1.8 mm no pink CL

84-201 " " ♀ 147×56×20×14 18½g Vag. not open. Sad. Vt scars

202 " " ♀ 151×56×20×14 34.5g Vag closed, nipples large, 8 fetuses 10 mm CR ≤ 4.0g. stom quant blank stomach 3.5g.

203 " " ♂ 115×46×19×13 9.0g. test 6, SV 4.

204 " " ♂ 114×45×18½×13 8.7g. test 6, SV4

205 " " ♂ 127×50×20×14 17½g test 11, SV 14

Auliscomys micropus

Nov. 25. Captive from La Veronada camp site. Ate dandelion flowers immediately, in preference to sunflower seeds, oats, + alfalfa pellets. Liked apple. Bit head off a white clover flower, ate the flowers, then ate the stem end-on. Was not immediately attracted to green grass-seed-heads of 3 kinds

Pearson
1984

Bamboo

Nov. 12 Have been puttering with measurements of clumps of bamboo on Cerro Otto and Gloo-Gloo Peninsula;

Cerro Otto culms taper more rapidly than Gloo Gloo.

no correlation between max. diam. and length of culm

no correlation between max. diam. and number of internodes.

Poor correlation between diam. at 1 m, " " " "

measured volumes of culms by summing volumes of internodes (using length of internode + diam.). For 5 culms from each place, the "critical Diameter" (= diameter which when used as the diameter ~~multiplied by~~ of cylinder of the length of the culm gives the correct volume for that culm) the critical Diameter occurred at the following internodes:

18th, 17, 17, 15, 17, 16, 19, 18, 15, 17,

Poor correlation between max Diam. of culm and volume.

Fair " " Length " " " "

Good " " Diam. at 17th Internode " "

Poor " " " " ½ m " "

Good " " " " 1 m " "

Good " " " " 2 m " "

For Diam. at 1 meter above ground:

Volume of Culm in cm^3 = 90 × (Diam. of Culm in mm) − 944.

Density of 3 Culms (large ones) from Gloo Gloo were 1.276, 1.171, 1.131 (= heavier than water). Fresh canes without leaves weighed with Pesola, and volume from summed internodes. Leaves not included.

	Culm	leaves	Total	
Two culms + leaves	538 g	133	671	20% leaves leaf wt. includes "twigs"
	830	139	969	14% leaves

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1984

Bamboo (cont.)

nov. 23. a handful of fresh leaves + twigs from Cerro Otto on 11/14 weighed 33.0 g and air dried to 19.0 g on 11/20 and 11/23 ∴ dry wt. = 57.6%

Weights of 6 pieces of 2 culms from Cerro Otto 11/14

#	Diam	Fresh 11/14	11/24	12/04	12/12	12/14
1	15.8	40 g	25 g	20.0	18.5	17.5
2	15.3	32	24	21.5	21.5	20.5
3	19.5	57	35	28.5	26.0	25.0
4	18.4	52	32	26.0	24.0	23.0
5	17.5	36	25.5	23.5	22.5	22.5
6	18.5	50	37	33.5	32.5	32.0
		267				

nov 27 Río Castaño Overo. Walked up the hill past our grid and considerably beyond. Saw about 6 small clumps of bamboo that had flowered last year. Two clumps contained culms with dead flower heads from last year ~~and~~ as well as fresh new emerging flower heads on the same culm. So much for the drop dead theory. These were the big-leafed variety, but not as thick at the base as some from other places. yearling culms were producing flower heads.

along the road to Pampa Linda from the campsite at the river (Castaño Overo), just south of the corduroy swamp section, we found four clumps of flowering canes within 20 yds; 2 clumps adjacent and only about 3 or 4 yards apart! Dripping with dark lavender seed heads and conspicuous fragrant stamens;

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1984

Nov. 21, ~~1985~~. Dead clump of the Correo, Puerto Blest.
Compare with photos in earlier years
1984

Pearson
1984

nov. 21, ~~1985~~. Correo, Puerto Blest
1984

Pearson
1984

Nov. 21, ~~1985.~~ 1984 Blooming clump at the campground, Puerto Blest

Pearson
1984

measured bamboo clump at La Veranda. nov. 25, ~~1985~~
1984

Bamboo (cont)

bursting out of old culms, yearling culms, short culms only 2 ft. tall etc.* noticed only 2 or 3 plants with new shoots. *These are small-leafed plants none of them flowering specimens,

Leaflets of the big-leafed bamboo: 150×13, 138×13, 120×12

Pearson
1984

Reithrodon auritus

Nov. 11. Estación Perito Moreno (2 km E). Caught 3 juv. Reithro last night in the lush green grass + Berberis between the fence (Estancia La Fragua) and the RR; 1 caught by hand at 8 pm (broad daylight) trying to enter the hole where I was setting a trap; one at 10 pm emerging from a hole where I had set two cage traps (I sneaked up with flashlight and pushed him into one of the traps) a juvenile; and another juvenile in an open-floor trap between 10:30 pm and 1 a.m. Night clear, calm & frosty.

Ear-tagged the 2nd one (#4713), dusted it with fluorescent powder, and with UV light watched it hop slowly about 2 m through the grass. Left him for 20 min and when I returned he had gone another m. and was still visible and tranquil. At 1 a.m. he had gone another 2 m and the trail ended in a small clump of dried Senecio stalks with a good hole about ½ m away. In the morning excavated about 8 m of this tunnel, but found no mouse, no nest.

Excavated 3 other burrows about 3-4 m each, found one nest (grass), no mouse.

As captives, the 2 juveniles ~~and~~ were tranquil, ate only green grass seed heads and maybe flowering Polygonum, not apple or oats. When put together they immediately snuggled and went to sleep for the first time. Slept until after dark.

Nov. 12 Overnight ate enormous quantity of green grass blades, seed heads, maybe culms, cooked carrot, sampled a pickled olive. They left culms and green seed husks.

In 24 hours in captivity the two of them produced 483 droppings =

Pearson
1984

Reithrodon (cont.)

1 dropping per mouse every 6 minutes. They also ate some clover and a dandelion head. Air-dried for 24 hrs. the droppings weighed 4.8 g. Volume 30 cc.
confirmed day 2

nov. 13 At 9 a.m. each of the 2 caged animals weighed 25 g. ate dandelion, not uncooked carrot. Produced 788 droppings which weighed (dry) 8.3 g. =52 c.c. volume. ~~They ate g of green grass, clover, + dandelion greens (~~

4.8 g. of air-dried droppings when soaked in water for 3 hours (smelled like fresh-cut grass) and surface-dried by rolling on newspaper weighed 18.7 g = 3.9 X

nov. 14 2 captives produced 899 pellets (green grass, clover, + dandelion; mostly grass) in 24 hours. They ate 62.3 g. of greens (corrected for drying out by using a control cage), more than their own weight! The 899 fecal pellets when dried weighed 9.1 g; × 3.9 = 35.5 g fresh. Volume 58 cc (dry, in 25 cc graduate)

At dusk put Sancor Edam cheese, prune, and dulce de membrillo into their cage (+ greens). One of the mice immediately ate cheese. also butter, not eaten right away.

nov. 15 Rt hip. is a ♂ and weighed 29 g. Rt shoulder a ♀ weighed 29 g. ate no prune, no dulce de membrillo, most of cheese, butter maybe. Fresh green grass (141 g) when dried for 3 days weighed 35 g.

nov. 16 newspaper on floor of cage soaked up 5 g of urine. ate no [illegible]. The two mice ate 62.3 g of fresh green grass, clover,

and dandelion (corrected for evaporation by a control cage with grass in it). This represents $62.3\ g \times \frac{35}{141}$ $= 15.46$ g of dry grass. They produced 9.1 g of dry pellets or 35.5 g of moist pellets. Hence, they eat their weight in green grass everyday and defecate half their weight per day in moist fecal pellets, Or, eat 1/4th their wt. per day dry grass and defecate 1/8th.

nov 17 Overnight in addition to grass they ate apple + cheese, little if any corn meal mush, Did not eat <u>Rumex</u> leaf.

nov. 18 Hip♂ weighed 34 g, S♀ 31 g. at 9:55 a.m. marked them on fur with fluorescent powder to see if it would come through in droppings. Could detect none, even 24 hrs later

nov. 21 Captives ate sunflower seeds, and bamboo shoots, and apple.

nov. 25 Shoulder♀ weighed 40 g, Hip♂ weighed 39 g.

Dec 4 Shoulder♀ " 48.5 g; hip♂ weighed 50.5 g.

Pearson
1984

Chelemys

Dec 3 Refugio Neumeyer. 3 cage traps at a woodpile in pure lenga caught 2 big and 1 small Chelemys, between 11:30 a.m. and 3:30 pm, by Anita. Baited with apple + rolled oats. They had eaten all the apple. They ate more apple immediately (in preference to amancay rhizome). Later in cages they ate rolled oats. Up near the first lake was a beautiful long earth core 12 m long - and then it disappeared into a snowbank. The small Chelemys was an immature ♂ 35 g, surely born under the snow.

Dec 4 Caged adults have a Concord-grape, fruity odor. Overnight they ate apple but not amancay rhizomes.

Pearson
1984

Ctenomys haigi

Oct. 30. The matadero on Pampa Huenuleo, 5 km SW Bariloche. Looked for Reithros here, cold cloudy. Lots of Reithro holes, no droppings. A few places, especially around roots of ~~[illegible]~~ Rosa mosqueta and retamo, with tuco diggings, but nowhere any fresh excavations. A couple of places with deep clear runways maybe 6 ft long, probably made under snow. No earth cores. One place with a few piles of tuco droppings all by themselves on undisturbed turf (made under snow?). Heard no tucos but caught 2 in the first hour (7 p.m.), no more overnight. One of them a 125-g ♀ early pregnant, many lice. The other a big ♂ 7217.